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119267

From: Whiteman, Brian
Sent: Monday, April 12, 2004 3:35 PM
To: STIC-Biotech/ChemLib
Subject: seq search

09/927,091 Killary et al.
8/9/01

search SEQ ID NO: 1 against us patent and us patent application databases

serach SEQ ID NO: 3 against us patent and us patent application databases

Thank you,

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Remsen, 2D14
mail box 2C18
Patent Examiner - Art Unit 1645
United States Patent and Trademark Office
(571) 272-0764

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TYPE OF SEARCH:

NA Sequences: _____
AA Sequences: _____
Structures: _____
Bibliographic: _____
Litigation: _____
Full text: _____
Patent Family: _____
Other: _____

VENDOR/COST (where applic.)

STN: _____
DIALOG: _____
Questel/Orbit: _____
DRLink: _____
Lexis/Nexis: _____
Sequence Sys.: _____
WWW/Internet: _____
Other (specify): _____

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 13, 2004, 09:59:27 ; Search time 286 Seconds
(without alignments)
7423.923 Million cell updates/sec

Title: US-09-927-091-3
Perfect score: 3826
Sequence: 1 aggcgtgcgtgaccgaagc.....aaaaaaaaaaaaaaaaaaaaa 3826

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
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3: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*
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5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	106	2.8	3416	2	US-08-724-394A-15
2	95.8	2.5	1782	4	US-09-220-132-158
3	94	2.5	7218	1	US-08-232-463-14
4	86.4	2.3	2826	2	US-08-724-394A-13
5	86.4	2.3	2370	4	US-09-566-921-105
6	82.8	2.2	3502	2	US-08-724-394A-16
7	81.6	2.1	53526	3	US-08-658-136-2
8	80.4	2.1	152331	3	US-09-128-155-16
9	76.2	2.0	1926	4	US-09-249-585A-4
10	76.2	2.0	1931	2	US-09-130-114-2
11	75	2.0	4897	6	5196516-7
12	74.6	1.9	3470	4	US-09-486-147-2
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17	73	1.9	2882	2	US-08-724-394A-12
18	73	1.9	320	3	US-09-165-264-11
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20	72.8	1.9	320	3	US-09-165-264-14
21	71.8	1.9	319	3	US-09-165-264-8
22	70.2	1.8	318	3	US-09-165-264-12
23	70	1.8	712	4	US-09-401-064-354
24	69.6	1.8	712	4	US-09-401-064-354
25	63.6	1.7	77536	4	US-09-410-551B-1
26	62.6	1.6	22561	4	US-09-616-289-48
27	60.4	1.6	44377	2	US-08-804-227C-7

28 60.4 1.6 44377 2 US-08-804-198-1 Sequence 1, Appl
29 3277 4 US-09-620-312D-103 Sequence 103, App
30 59.4 1.6 597 3 US-09-040-984-17 Sequence 17, Appl
31 59.4 1.6 597 4 US-09-123-912-17 Sequence 17, Appl
32 59.4 1.6 597 4 US-09-643-597-17 Sequence 17, Appl
33 59.4 1.6 597 4 US-09-480-884A-17 Sequence 17, Appl
34 59.4 1.6 597 4 US-09-542-615A-17 Sequence 17, Appl
35 59.4 1.6 597 4 US-09-606-421B-17 Sequence 17, Appl
36 59.4 1.6 597 4 US-09-221-107-17 Sequence 17, Appl
37 58.6 1.5 1926 4 US-09-249-585A-2 Sequence 2, Appl
38 58.6 1.5 1926 4 US-09-410-399-3 Sequence 3, Appl
39 58.6 1.5 2580 3 US-09-050-863-2 Sequence 2, Appl
40 58.6 1.5 2580 4 US-09-359-081-2 Sequence 2, Appl
41 58.6 1.5 5452 2 US-09-130-114-1 Sequence 1, Appl
42 58.6 1.5 8705 4 US-09-647-344A-14 Sequence 14, Appl
43 58.6 1.5 9600 3 US-08-910-647-1 Sequence 1, Appl
44 58.6 1.5 9600 4 US-09-620-925-1 Sequence 1, Appl
45 58.6 1.5 10596 1 US-07-884-811-15 Sequence 15, Appl

ALIGNMENTS

RESULT 1
US-08-724-394A-15
; Sequence 15, Application US/08724394A
; Patent No. 5872237
; GENERAL INFORMATION:
; APPLICANT: Feder, John N.
; APPLICANT: Kronmal, Gregory S.
; APPLICANT: Lauer, Peter M.
; APPLICANT: Ruddy, David A.
; APPLICANT: Thomas, Winston
; APPLICANT: Tsuchihashi, Zenta
; APPLICANT: Wolff, Roger K.
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3934

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/724,394A
FILING DATE: 01-OCT-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Fitts, Renee A.
REGISTRATION NUMBER: 35,136
REFERENCE/DOCKET NUMBER: 017957-000100
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 3416 base pairs
TYPE: nucleic acid
STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: misc feature
LOCATION: 1..3416
OTHER INFORMATION: /note= "cDNA 44"
US-08-724-394A-15

Query Match 2.8%; Score 106; DB 2; Length 3416;
Best Local Similarity 53.8%; Pred No. 7e-14;
Matches 242; Conservative 0; Mismatches 205; Indels 3; Gaps 1;
QY 1482 GCCAGCCGCCCTAACCCCTGACCCGCGGACAGCCACCGCCTGATCTGTGCGACGA 1541
DB 1373 GCCTGCGGATGTGATCTTGGATCCAAAACAGCAAAACCCCATCTCTGTTTCTGAGGA 1432
QY 1542 CTGCACCAATTTGGCTTACGCCAATTTGCCACCCACAGCCACTCGAGGACTCGCCAAAGCG 1601
DB 1433 CCAGAGGAGTGTGAGCGTGCCAA---GGAGCCCGAGGATCTCCAGACAAACCTGAGAG 1489
QY 1602 CTTGATGTGAGGTGTGCGGTGCTGAGAGCTTCTGAGAGCTTCTGAGTGTGCGGTCTGAGTGTG 1661
DB 1490 ATTTAAATTTGCAATTTATTTGTTCTGCGCTGTGAGAGCTTCTATACAGGAGAGCAATTAACG 1549
QY 1662 GGAGTGTGTGTGCGGAGAGAACCCAGTGTGCTGATCGGCTGCGACAGCCGCGCAG 1721
DB 1550 GGAGTGTGAGGTAGGAGACAGGAAGAGTGGCATATAGGGGTGTGAGTAAGATGTGA 1609
QY 1722 CCGCAAGGACAGATCCAGATCCAGCCAGCCGCGCTTCTACTGATCTGTGATGACGA 1781
DB 1610 GAGAAAGGCTGGGTCAAAATGACACCTGAGAATGGATTTCTGGACTATGGGCTGACTGA 1669
QY 1782 TGGCAACAGTACAGCGCTGACGAGGAGCCCTGAGCGGCTTAAGCTCGGAGCAAGCT 1841
DB 1670 TGGGAATAAGTATCGGACTTAACTGAGCCAGCAACCACTGAACTTCTTAAGCCCC 1729
QY 1842 TGACAAGTGGGTGTCTTCTGAGCTATGACCAAGGCTTGTCTCATCTTCTACAATGCTGA 1901
DB 1730 TAAGAAAGTGGGCTGTCTTCTGAGCTATGAGACTGAGATATCTCATTTCTACAATGCTGT 1789
QY 1902 TGACATGTCTGGCTGTACACCTTCGCGCA 1931
DB 1790 GGATGGATCGCATTTCTACTTCTCTGGA 1819

RESULT 2
US-09-220-132-158
; Sequence 158, Application US/09220132
; Patent No. 6506607
; GENERAL INFORMATION:
; APPLICANT: Shyjan, Andrew W.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE IDENTIFICATION AND ASSESSMENT
; FILE REFERENCE: 07334-074001
; CURRENT APPLICATION NUMBER: US/09/220,132
; CURRENT FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: US 60/079,303
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: US 60/068,821
; PRIOR FILING DATE: 1997-12-24
; NUMBER OF SEQ ID NOS: 191
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 158
; LENGTH: 1782
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-220-132-158

Query Match 2.5%; Score 95.8; DB 4; Length 1782;
Best Local Similarity 52.6%; Pred. No. 9.8e-12;
Matches 233; Conservative 0; Mismatches 207; Indels 3; Gaps 1;
QY 1484 CAGCGCGCCCTAACCCCTGACCCGCGGACAGCCACCGGCTGATCTGTGCGAGGACT 1543
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QY 1544 GCACCATTTGGCTTACGGCAATTTGACCCACAGCCACTGAGGAGCTGCCAAAGCGCT 1603
DB 1238 TGGCGCAAGTGGGTACAGTTAC---CTCCACAGAGGAGCTGCTGTGACACCCCGAGAGGT 1294

QY 1604 TCGATGTGAGGTGTGCGTCTGCGTCTTCTGAAAGCTTCAAGCTTCAAGTGTGCGTCTCACTACTGGG 1663
DB 1295 TCAATCTTTTCCCTGTGCTTCTGGCTCTCCATGCTTCTATCCCGGAGACATTTATGGG 1354
QY 1664 AGTGTGTGTGCGGAGAAAGACCCAGTGGGTGATCGGGGTGCGACACGAAAGCCGCAAGCC 1723
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DB 1415 GAAAGTGTGAGTAACTCAGCCCCCAGAAATGAAATCTTGGGAGTGTCTTTGTGGTATG 1474
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DB 1475 GGAAGAAATATTTGGGCTCTTACCTCCCAATGACTGCCCTTACCCCTGCGGAGCCCGCTCC 1534
QY 1844 ACAAGTGTGTGCTTCTGCTGACTATGACCAAGGCTTGTCTCATCTTCTACAATGCTGTG 1903
DB 1535 AGCGGTGGGAGATTTCTTGGACTATGATGCTGGTGGAGGTCTCTCTTCTACAACGAGTGTG 1594
QY 1904 ACATGTCTGCTCTACACTTC 1926
DB 1595 AGAGGTGTACACACTTCACTTTC 1617

RESULT 3
US-08-232-463-14
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pTZ9pt-F15
US-08-232-463-14

Query Match	2.58;	Score 94;	DB 1;	Length 7218;
Best Local Similarity	2.65;	Pred. No.3.9e-11;		
Matches	10;	Conservative 257;	Mismatches 117;	Indels 0; Gaps 0;
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RESULT 4
US-06-724-394A-13
Sequence 13, Application US/08724394A
Patent No. 587237
GENERAL INFORMATION:
APPLICANT: Feder, John N.
APPLICANT: Kronmal, Gregory S.
APPLICANT: Laufer, Peter M.
APPLICANT: Ruddy, David A.
APPLICANT: Thomas, Winston
APPLICANT: Tsuchinashi, Zenta
APPLICANT: Wolff, Roger K.
TITLE OF INVENTION: Megabase Transcript Map: No. 587237e1
TITLE OF INVENTION: Sequences and Antibodies Thereto
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESSES:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/724,394A
FILING DATE: 01-OCT-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Fitts, Renee A.
REGISTRATION NUMBER: 35,136
REFERENCE/DOCKET NUMBER: 017957-000100
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 13:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 2926 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..2926
; OTHER INFORMATION: /note= "cDNA 29"
; US-08-724-394A-13

Query Match 2.3%; Score 86.4; DB 2; Length 2926;
Best Local Similarity 52.7%; Pred. No. 1.3e-09;
Matches 236; Conservative 0; Mismatches 206; Indels 6; Gaps 2;

QY 1483 CCAGCGCGCCCTAACCCCTGGACCGGGCACGCCACCCACGAGCGCCTGATCCTCTCGGACGAC 1542
DB 1186 CTTGCGGATGTGATCTCGATCCAGACAGCGGAACGCGCATCCTCCTGTGTTTCTGAGGAC 1245
QY 1543 TGCACCATTTGGCTTACGGCAACTTGCACCACAGCCACTGCAGGACTCGCCAAAGCGC 1602
DB 1246 CAGAGGAGTGTG---CAGCGTGCTGAAGAGCGCGGGATCTGCCAGACAAACCCCTGAGAGA 1302
QY 1603 TTTCGATGTGGAGGTGTCGTGGTCTGAAGCCTTCAGTAGGGCGTCCACTACTGCTGATGCAC 1662
DB 1303 TTGTAATGCGTTACTGTGCTTGGCTGTGAACCTTCAATCAGGAGAGCATTTACTGG 1362
QY 1663 GAGGTGGTGGTGGCGGAGAAGACCAGTGGGTGATCGGGCTGGCAC---ACGAAGCCGCA 1719
DB 1363 GAGGTGGGAAGTGGGGGACAGAAAGAGTGGCATATTGGGGTATGTAGTAAGAAACCGTGGAG 1422
QY 1720 AGCCGCAAGGCGAGCATCCAGATCCAGCCAGCCAGCCGCGCTTCTACTGCTGCTGATGCAC 1779
DB 1423 AGGAAAAAGGTGGGTCAAAATGACCCGAGAACGGATACTGGACTATGGGCTGACT 1482
QY 1780 GATGCAACCAAGTACAGCGCTGACGAGGCGCTTGAGCGCGCTTAAAGTCCGGGACAAG 1839
DB 1483 GATGGGAATAAGTATCGGGCTCTCACTGAGGCCAGAACCAACCTGAAACTTCTGAGCCT 1542
QY 1840 CTTGCAAGGTGGGTGCTCTCTGACTATACCAAGGCTTGCTCATCTTCTACAAATGCT 1899
DB 1543 CCTAGGAAGTGGGATCTTCTGGACTATGAGACTGGAGAGATCTCGTTCTATATATGCC 1602
QY 1900 GATGACATGTCCTGGCTCTACACCTTCC 1927
DB 1603 ACAGATGATCTCATATCTACACCTTTC 1630

RESULT 5
US-09-566-921-105
; Sequence 105, Application US/09566921
; Patent No. 6682888
; GENERAL INFORMATION:
; APPLICANT: Loring, Jeanne F.
; APPLICANT: Tingley, Debora W.
; APPLICANT: Edwards, Carla M.
; TITLE OF INVENTION: GENES EXPRESSED IN ALZHEIMER'S DISEASE
; FILE REFERENCE: PA-0024 US
; CURRENT APPLICATION NUMBER: US/09/566,921
; CURRENT FILING DATE: 2000-05-05
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PERL Program
; SEQ ID NO 105
; LENGTH: 2970
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. 6682888 902288.16
; NAME/KEY: unsure
; LOCATION: 2113-2202
; OTHER INFORMATION: a.t, c, g, or other

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US-09-566-921-105

Query Match 2.3%; Score 86.4; DB 4; Length 2970;
Best Local Similarity 52.7%; Pred. No. 1.3e-09;
Matches 236; Conservative 0; Mismatches 206; Indels 6; Gaps 2;

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DB 1220 CTTGGATGTGATCTGGATCCAGACAGCGGAAAGCCATCTCTCTTTCTGAGGAC 1279
QY 1543 TGCACCAATGTGGTTACGGCAACTTGCACCCACAGCCACTGCGGACTCGCAAGCGC 1602
DB 1280 CAGAGGAGTGTG---CAGCGTGTGAAAGAGCCGCGGATCTGCCAGACAACTGAGAGA 1336
QY 1603 TTCCATGTGGAGGTGCTGGTCTGGTCTTGAAGCCCTTCAGTAGTGGCTCCACTACTGG 1662
DB 1337 TTTGAATGGCGTACTGTCTGCTTGGCTGTGAAACTTTCATCAGGGAGACTTACTGG 1396
QY 1663 GAGTGTGGTGGCGGAGAGACCCAGTGGGTGATCGGCTGGCAC---ACGAAAGCCGCA 1719
DB 1397 GAGTGGAAAGTGGGGGACAGAAAGAGTGGCATATGGGGTATGTAGTAAGAACCTGGAG 1456
QY 1720 AGCCGCAAGGCGACATCCAGATCCAGCCGCGGCTTCTACTGCATCTGTATGCAC 1779
DB 1457 AGGAAAGAGTGGTCTAATATGACACCGGAGAACGGATCTGGACTATGGGCTGACT 1516
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DB 1517 GATGGGAATAGTATCGGGCTCTCACTAGCGCCAGAACCAACTGAAACTTCTGAGCT 1576
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QY 1900 GATGACATGCTGGGCTCTACACTTCC 1927
DB 1637 ACAGATGATCTCATATCTACACTTTC 1664

RESULT 6

US-08-724-394A-16
; Sequence 16, Application US/08724394A
; Patent No. 5872237
; GENERAL INFORMATION:
; APPLICANT: Feder, John N.
; APPLICANT: Kronmal, Gregory S.
; APPLICANT: Lauer, Peter M.
; APPLICANT: Ruddy, David A.
; APPLICANT: Thomas, Winston
; APPLICANT: Tsuchihashi, Zenta
; APPLICANT: Wolff, Roger K.
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237e1
; TITLE OF INVENTION: Sequences and Antibodies Thereto
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TOWNSEND AND TOWNSEND AND CREW LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/724,394A
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136

REFERENCE/DOCKET NUMBER: 017957-000100
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-576-0200
; TELEFAX: 415-576-0300
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3502 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..3502
; OTHER INFORMATION: /note="cDNA 32"
US-08-724-394A-16

Query Match 2.2%; Score 82.8; DB 2; Length 3502;
Best Local Similarity 52.2%; Pred. No. 8.8e-09;
Matches 233; Conservative 0; Mismatches 207; Indels 6; Gaps 2;

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DB 1240 AGTGTGAGGTGGAAACAGTGTGCTGAGTCTGAGAGTCTTCTGATCTGATGACAGATG 1299
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DB 1357 GAAACCAATACCGGCGCTGCTCTCCCTGAGAGGATCTCCCTTTGAAGGAGTCCCTTT 1416
QY 1844 ACAAGTGGGTGTCTTCTGGACTATGACCAAGGCTTGTCTCATCTTCTACATGCTGATG 1903
DB 1417 GCGGGTGGCGTCTTCTGGACTATGAGCTGGAGATGTCTCCTTCTACACATGAGGG 1476
QY 1904 ACATGCTCGGTCTACACCTTCCGC 1929
DB 1477 ACAGATCACACATCTACACATGTCCC 1502

RESULT 7

US-08-658-136-2
; Sequence 2, Application US/08658136
; Patent No. 6071717
; GENERAL INFORMATION:
; APPLICANT: KLINGER, KATHERINE W
; APPLICANT: LANDES, GREGORY M
; APPLICANT: BURN, TIMOTHY C
; APPLICANT: CONNORS, TIMOTHY D
; APPLICANT: DACKOWSKI, WILLIAM
; APPLICANT: GEMINO, GREGORY
; APPLICANT: QIAN, FENG
; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENZYME CORPORATION
; STREET: ONE MOUNTAIN ROAD
; CITY: FRAMINGHAM
; STATE: MASSACHUSETTS

Patent No. 6627745
GENERAL INFORMATION:
APPLICANT: The Government of the United States of America, as
APPLICANT: represented by the Secretary, Department of Health and Human
APPLICANT: Services
APPLICANT: Daniel L. Kastner
APPLICANT: Ivona Aksentijevich
APPLICANT: Michael Centola
APPLICANT: Zuoming Deng
APPLICANT: Francis S. Collins
APPLICANT: Trevor Blake
APPLICANT: P. Paul Liu
APPLICANT: Deborah Gumucio
APPLICANT: Robert I. Richards
APPLICANT: Darrell O. Riche
APPLICANT: No. 6627745man A. Doggett
APPLICANT: Moraechai Pras
TITLE OF INVENTION: IDENTIFICATION OF THE GENE CAUSING
TITLE OF INVENTION: FAMILIAL MEDITERRANEAN FEVER
FILE REFERENCE: 14014.0314U1
CURRENT APPLICATION NUMBER: US/09/486,147
CURRENT FILING DATE: 2000-08-07
PRIOR APPLICATION NUMBER: PCT/US98/17255
PRIOR FILING DATE: 1998-08-20
PRIOR APPLICATION NUMBER: 60/056,217
PRIOR FILING DATE: 1997-08-21
NUMBER OF SEQ ID NOS: 45
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 3470
TYPE: DNA
ORGANISM: homo sapiens
FEATURE:
US-09-486-147-2
Query Match 1.9%; Score 74.6; DB 4; Length 3470;
Best Local Similarity 50.1%; Pred. No. 5.5e-07;
Matches 241; Conservative 0; Mismatches 234; Indels 6; Gaps 2;
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QY 1613 AGGTGTCGGTGGTCTTGAAGCCCTTCAAGCTTCAAGTGGCTGCTACTGAGAGTGGTGG 1672
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DB 1976 TTGAGACAAGACAGCATGGATCTCTGGAGCCCTGACAGATCCATTAAGCAGAAAGGA 2035
QY 1733 GCATCCAGATCCAGCCAGCCGCGCTTCTACTGATGATGATGATGATGATGATGATGAT 1792
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Db 2276 G 2276
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Sequence 7, Application US/09165264
Patent No. 6197510
GENERAL INFORMATION:
APPLICANT: Vinayagamoorthy, Thuraiyiah
TITLE OF INVENTION: Multi-Loci Genomic Analysis
FILE REFERENCE: 44747
CURRENT APPLICATION NUMBER: US/09/165,264
CURRENT FILING DATE: 1998-10-01
NUMBER OF SEQ ID NOS: 14
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 7
LENGTH: 320
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:Primer sequence
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Query Match 1.9%; Score 74.4; DB 3; Length 320;
Best Local Similarity 52.2%; Pred. No. 2.7e-07;
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US-09-486-147-1
Sequence 1, Application US/09486147
Patent No. 6627745
GENERAL INFORMATION:
APPLICANT: The Government of the United States of America, as
APPLICANT: represented by the Secretary, Department of Health and Human
APPLICANT: Services
APPLICANT: Daniel L. Kastner
APPLICANT: Ivona Aksentijevich
APPLICANT: Michael Centola
APPLICANT: Zuoming Deng
APPLICANT: Raman Sood
APPLICANT: Francis S. Collins
APPLICANT: Trevor Blake
APPLICANT: P. Paul Liu
APPLICANT: Deborah Gumucio
APPLICANT: Robert I. Richards
APPLICANT: Darrell O. Riche
APPLICANT: No. 6627745man A. Doggett

APPLICANT: Moraechai Pras
; TITLE OF INVENTION: IDENTIFICATION OF THE GENE CAUSING
; TITLE OF INVENTION: FAMILIAL MEDITERRANEAN FEVER
; FILE REFERENCE: 14014.0314U1
; CURRENT APPLICATION NUMBER: US/09/486,147
; CURRENT FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: PCT/US98/17255
; PRIOR FILING DATE: 1998-08-20
; PRIOR APPLICATION NUMBER: 60/056,217
; PRIOR FILING DATE: 1997-08-21
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 16891
; TYPE: DNA
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: n = a, t, c, or g
US-09-486-147-1

Query Match 1.9%; Score 74.2; DB 4; Length 16891;
Best Local Similarity 49.9%; Pred. No. 1.1e-06;
Matches 240; Conservative 1; Mismatches 234; Indels 6; Gaps 2;
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DB 14380 G 14380

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Job time : 290 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 13, 2004, 10:43:37 ; Search time 47 Seconds
(without alignments)
2657.352 Million cell updates/sec

Title: US-09-927-091-1

Perfect score: 2504

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Gapop 10.0 , Gapext 0.5

Searched: 1073127 seqs, 262937947 residues

Total number of hits satisfying chosen parameters: 1073127

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published Applications AA:*

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- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pdb.p*
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- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pdb.p*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	2504	100.0	475	US-09-927-091-1	Sequence 1, Appli
2	1312	52.4	304	US-09-927-091-2	Sequence 2, Appli
3	613	24.5	500	US-09-731-872-466	Sequence 466, App
4	613	24.5	500	US-09-876-997-466	Sequence 466, App
5	583	23.3	580	US-09-925-301-943	Sequence 943, App
6	550.5	22.0	485	US-10-276-372-2	Sequence 2, Appli
7	541.5	21.6	485	US-10-094-749-2615	Sequence 2615, Ap
8	501	20.0	471	US-10-104-047-3482	Sequence 3482, Ap
9	500	20.0	468	US-10-104-047-3664	Sequence 3664, Ap
10	499.5	19.9	4675	US-10-093-463-74	Sequence 74, Appl
11	492	19.6	465	US-10-024-298A-97	Sequence 97, Appl
12	482	19.6	465	US-10-042-211A-97	Sequence 97, Appl
13	489	19.5	465	US-10-042-238A-99	Sequence 99, Appl
14	489	19.5	465	US-10-042-211A-99	Sequence 99, Appl
15	475.5	19.0	4691	US-10-093-463-72	Sequence 72, Appl

16	427.5	17.1	395	15	US-10-108-260A-4617	Sequence 4617, Ap
17	418	16.7	475	12	US-10-042-865-65	Sequence 65, Appl
18	418	16.7	475	14	US-10-000-897-78	Sequence 78, Appl
19	418	16.7	475	15	US-10-094-749-2393	Sequence 2393, Ap
20	414.5	16.6	488	12	US-10-221-625-82	Sequence 82, Appl
21	411	16.4	483	12	US-10-114-270-106	Sequence 106, App
22	409	16.3	579	12	US-10-042-865-6	Sequence 6, Appli
23	408	16.3	592	12	US-10-042-865-64	Sequence 3289, Ap
24	407.5	16.3	474	15	US-10-104-047-3289	Sequence 64, Appl
25	393	15.7	498	14	US-10-247-671-167	Sequence 167, App
26	388.5	15.5	194	9	US-09-764-868-1031	Sequence 1031, Ap
27	368.5	14.7	277	15	US-10-094-749-3098	Sequence 3098, Ap
28	364.5	14.6	413	14	US-10-319-763-198	Sequence 198, App
29	343.5	13.7	183	9	US-09-864-761-36547	Sequence 36547, A
30	340.5	13.6	438	15	US-10-262-445-34	Sequence 34, Appl
31	339	13.5	584	9	US-09-910-174A-16	Sequence 12, Appl
32	339	13.5	584	9	US-09-955-866-12	Sequence 16, Appl
33	339	13.5	584	9	US-09-896-738-18	Sequence 18, Appl
34	339	13.5	584	14	US-10-041-319-17	Sequence 17, Appl
35	334.5	13.4	333	15	US-10-104-047-2073	Sequence 2073, Ap
36	329	13.1	513	9	US-09-910-174A-18	Sequence 18, Appl
37	328	13.1	262	10	US-09-986-480-172	Sequence 172, App
38	328	13.1	262	14	US-10-205-823-105	Sequence 105, App
39	328	13.1	262	14	US-10-276-372-4	Sequence 4, Appli
40	328	13.1	262	14	US-10-276-372-8	Sequence 8, Appli
41	316.5	12.6	372	14	US-10-087-887-54	Sequence 54, Appl
42	316.5	12.6	527	9	US-09-910-174A-10	Sequence 10, Appl
43	316.5	12.6	527	12	US-10-029-020-81	Sequence 81, Appl
44	316.5	12.6	527	14	US-10-156-424A-10	Sequence 10, Appl
45	316.5	12.6	527	14	US-10-041-319-16	Sequence 16, Appl

ALIGNMENTS

RESULT 1

US-09-927-091-1
; Sequence 1, Application US/09927091
; Patent No. US20020119541A1
; GENERAL INFORMATION:
; APPLICANT: KILLARY, ANN
; APPLICANT: LOTT, STEVE
; APPLICANT: CHANDLER, DAWN
; TITLE OF INVENTION: THE TUMOR SUPPRESSOR CAR-1
; FILE REFERENCE: UTSC-651US
; CURRENT APPLICATION NUMBER: US/09/927,091
; CURRENT FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/227,560
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 60/225,033
; PRIOR FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 475
; TYPE: PRT
; ORGANISM: Human
US-09-927-091-1

Query Match	100.0%	Score	2504	DB	9	Length	475
Best Local Similarity	100.0%	Pred. No.	8.8e-202				
Matches	475	Conservative	0	Mismatches	0	Indels	0
Gaps	0						
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Db	1	MACSLKDELLCSICLSIYQDVFSLGCEHYFCRCITTEHWVYRQAQQAQDCFCRCRTFAEP	60				
Qy	61	ALAPSLKLANIVERYSSFFPLDALINARRARPCQAHDKVKLFCLTDRALLCFFCDEPALH	120				
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QY 361 TQWVIGLAHEAASRKGSIQIOPSRGFCIVMHDGNQYSACTEPWTRLNVRDKLQVGVFL 420
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RESULT 2

US-09-927-091-2

; Sequence 2, Application US/09927091

; Patent No. US20020119541A1

; GENERAL INFORMATION:

; APPLICANT: KILLARY, ANN

; APPLICANT: LOFT, STEVE

; APPLICANT: CHANDLER, DAWN

; TITLE OF INVENTION: THE TUMOR SUPPRESSOR CAR-1

; FILE REFERENCE: UTSC:651US

; CURRENT APPLICATION NUMBER: US/09/927,091

; CURRENT FILING DATE: 2001-08-09

; PRIOR APPLICATION NUMBER: 60/227,560

; PRIOR FILING DATE: 2000-08-23

; PRIOR APPLICATION NUMBER: 60/225,033

; PRIOR FILING DATE: 2000-08-10

; NUMBER OF SEQ ID NOS: 9

; SOFTWARE: Patentin Ver. 2.1

; SEQ ID NO 2

; LENGTH: 304

; TYPE: PRT

; ORGANISM: Human

US-09-927-091-2

Query Match

Best Local Similarity 52.4%; Score 1312; DB 9; Length 304;

Matches 257; Conservative 2; Mismatches 5; Indels 16; Gaps 1;

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Db 241 RHTFLAGVASLSERLKGKHETNLTIEDFTSKTGTGLOTKSLPQDHPVPAALTLD 300

QY 241 RHTFLAGVASLSERLKGKHETNLTIEDFTSKTGTGLOTKSLPQDHPVPAALTLD 300

Db 241 RHTFLAGVASLSERLKGKHETNLTIEDFTSKTGTGLOTKSLPQDHPVPAALTLD 300

US-09-731-872-466
; Sequence 466, Application US/09731872
; Patent No. US20020102604A1
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, Jean Baptiste
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Jobert, Severin
; TITLE OF INVENTION: FULL-LENGTH HUMAN CDNAS ENCODING POTENTIALLY SECRETED PROTEINS
; FILE REFERENCE: 78 US3 REG
; CURRENT APPLICATION NUMBER: US/09/731,872
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,629
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: US 60/187,470
; PRIOR FILING DATE: 2000-03-06
; NUMBER OF SEQ ID NOS: 482
; SOFTWARE: Patent.pm
; SEQ ID NO 466
; LENGTH: 500
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-731-872-466

Query Match

Best Local Similarity 24.5%; Score 613; DB 9; Length 500;

Matches 148; Conservative 83; Mismatches 222; Indels 16; Gaps 8;

QY 8 ELLCSICLSIYQDPSVSLGCEHYFCRCITTEHWVRQBAQAGARDCECRRTFAPALAPSLK 67

Db 38 ELHCPLCNDWFRDPLMLSCCHNFEACIQDFWLOAKE--TTCPECKMLCYNNCTFN 95

QY 68 LANIVERYSSPFLDAIINARRAAPQOAH--DKVKLFCLTRALLCFPCDEPALH--EQHQ 124

Db 96 LDKLVEKIKKPL-----LKGHPCPEHGENULKFSKPDGKLCICQCKDARLSVGQSKE 149

QY 125 VTGIDDAFDELQRELKQQLQALQDSREHTEALQLLKROLAETKSTSLRTTIGEAPER 184

Db 150 FLQISDAVHFFMBELAIQOQLETTIKELQTLNMQKEAIAAHKKNLHLOQHVSVFLK 209

QY 185 LHRLLRRQKAMLEELADTARTLTDTIEQVQVYSQOLRVQSGAQILOERLAETDRHTF 244

Db 210 LHQFLHSEKDIITELREBEGKALNEEMNLSQLQEQCLLAKDMLSVIOAKTEQONSDF 269

QY 245 LAGVASLSERLKG--KIHET--NLTYEDFPTSKYTGLOVTVKSLFQDTHPVPAALTLD 301

Db 270 LKDTITLLHLEQGMKVLATRELISRLNKGPIQVWREMDTLCFGLSPILTLD 329

QY 302 GTAHQRLILSDCTIVAYGNLHPQLQDSKPRDVSVLGSEAFSSGVHYWEVVAEK 361

Db 330 KTAHPNLVLSKQTSYVHGD1-KKIMPDDFERPDSSAVLGRGFTSGKWKYWEVEVAKT 388

QY 362 QWVIGLAHEAASRKGSIQIOPSRGFCIVMHDGNQYSACTEPWTRLNVRDKLQVGVFL 421

Db 389 KWTGVVRESIRKSGCPLTPEQGFLLRLRNQDTLKDLDLFSLSLTNNLDKVGIVLD 448

QY 422 YDQGLLIFYNADMSWLTTFREKFPKGLCSYFSGQSHANGKNVQPLRI 470

Db 449 YEGQSLSFYNAKTMTHTYTFSTNFMKLYPFYFCPLNDGR--ENKGFPLHI 496

RESULT 4

US-09-876-997-466

; Sequence 466, Application US/09876997

; Publication No. US20030132921A1

; GENERAL INFORMATION:

; APPLICANT: Dumas Milne Edwards, Jean Baptiste

; APPLICANT: Bougueleret, Lydie

; APPLICANT: Jobert, Severin

; TITLE OF INVENTION: FULL-LENGTH HUMAN CDNAS ENCODING POTENTIALLY SECRETED PROTEINS

; FILE REFERENCE: 78 US4 CIP

; CURRENT APPLICATION NUMBER: US/09/876,997

; CURRENT FILING DATE: 2001-06-08

; PRIOR APPLICATION NUMBER: US 09/731,872

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (73)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-301-943

Query Match 23.3%; Score 583; DB 9; Length 580;
Best Local Similarity 29.1%; Pred. No. 3.6e-40;
Matches 153; Conservative 89; Mismatches 178; Indels 106; Gaps 16;

QY 5 LKDELLCSICLSIYQDPVSLGCEHYFCRCITEHWVQBAQAQDCPCRCRTTFAEPALAP 64
DB 77 LQOETTCVCLQYFAEPWMLDCHNICCAACARCGTAEATNVS--CPQCRETFFQKHMP 134
QY 65 SUKLANIVRYSPFLDAILNARRARP-----COAH-DKVKLFCITDRALLCFFC 114
DB 135 NRHLANVTQ-----LVKQLRTERPSGPGMGVCEKHEPLKLYCEEDQMPICVVC 185
QY 115 DEPALHEQOVGTIGDADFDELQELKQALQDQSERHEALQLLKQ-----LAE 166
DB 186 DRSREHGHSHVPLEBAVEGFKEQIQNL-----DLKRVKOLKRRRAQGEQARAE 237
QY 167 TKSSTKSLRTTIGEAPEFLRLRLRE---RQKAMLELE-----ADTA 205
DB 238 LLSLTQWEREKIWEPEQLYHSLKEHYRLARLEELDIAIYNSINGAITQFSCNISHLS 297
QY 206 RUTLDEQVQVRSQOLRKVQGAQILQERLAETDR-----HTFLAGV 248
DB 298 SLTAQEEHQOQPTREL-----LQDGTLSAERIRIPEWITPDLQEKHIFAQKC 351
QY 249 ASLSERLKGKIHETNLTYEDPFTSKYTGPLOYTIWKSFLQDIHPV---PAALTLDPGTAH 305
DB 352 LFLTESLK-----QTEKXQSDMEK--IQELREAQLYSVDVTLDPDTAY 393
QY 306 QRLILDDCTIVAYGNLHPQLDPSKRFDEVSVLGSEAFSGSVHYWVVAEKTQWVI 365
DB 394 PSILSDNLRQVYSYLO--QDLPDNERNLNLPFCVLGSPCFTAGRIHWEVEVDKAKWTI 452
QY 366 GLAHEAASRKSGSIQISRGFYCIYVMDGNQYSACTEPWTLNVRDKLDKGVFLDYDQ 425
DB 453 GVCEDSVCKRGVTSAPQNGFVAVSLWYKEYWALTSPTALPLRTPLOKRVGIFLDYDAG 512
QY 426 LLTFYNADMSWLYTF-REKFPKGLCSYSPGQSHANGKXVQPLRI 470
DB 513 EVSFYVNTERTCTTFTSHATFCGVPVPYFS--LSYSGKSAAPLII 556

RESULT 6
US-10-276-372-2
Sequence 2, Application US/10276372
Publication No. US20030186269A1
GENERAL INFORMATION:
APPLICANT: Bahr, Georges
APPLICANT: Cocude, Cecile
APPLICANT: Capron, Andre
TITLE OF INVENTION: SSA-56 kDa Polypeptide and its Fragments and Polynucleotides
FILE REFERENCE: 017753-171
CURRENT APPLICATION NUMBER: US/10/276,372
CURRENT FILING DATE: 2002-11-15
PRIOR FILING DATE: 2000-05-17
PRIOR APPLICATION NUMBER: PCT/FR 01/00725
PRIOR FILING DATE: 2001-03-12
NUMBER OF SEQ ID NOS: 29
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 485
TYPE: PRT
ORGANISM: Homo sapiens
US-10-276-372-2

Query Match 22.0%; Score 550.5; DB 14; Length 485;

PRIOR FILING DATE: 2000-12-07
PRIOR APPLICATION NUMBER: US 60/187,470
PRIOR FILING DATE: 2000-03-06
PRIOR APPLICATION NUMBER: US 60/169,629
PRIOR FILING DATE: 1999-12-08
NUMBER OF SEQ ID NOS: 482
SOFTWARE: Patent.pm
SEQ ID NO 466
LENGTH: 500
TYPE: PRT
ORGANISM: Homo sapiens
US-09-876-997-466

Query Match 24.5%; Score 613; DB 10; Length 500;
Best Local Similarity 31.6%; Pred. No. 8.7e-43;
Matches 148; Conservative 83; Mismatches 222; Indels 16; Gaps 8;

QY 8 ELLCSICLSIYQDPVSLGCEHYFCRCITEHWVQBAQAQDCPCRCRTTFAEPALAPSLK 67
DB 38 ELHCPCLNDWFDPLMLSCGNHFCACIQDFWRLOAKE--TFCECKMLCOYNNCTENPV 95
QY 68 LANIVRYSPFLDAILNARRAAPCOAH-DKVKLFCITDRALLCFFCDEPALH--SQHQ 124
DB 96 LDKLVEKIKLPL-----LKGHPQCPHGENLKLFSKPDGKLCIFQCKDARLSVGQSKE 149
QY 125 VTGIDDAFDELQELKQALQDQSERHEALQQLKQLAETKSTKSLRTTIGEAPE 184
DB 150 FLQISDAVHFWEELAIQQGOLETTLKELOTLRNMQKEAIAAHKENKLHQQVHSMFLK 209
QY 185 LHLRLERQKAMLEADTARTLTDIEQVQVRSQOLRKVQGAQILQERLAETDRHTF 244
DB 210 LHQFLHSKEKILLREGEKALMEELNLSIQEQCLLAKDMLVSIQAKTEQONSDF 269
QY 245 LAGVASLSERLKG--KIHET-NLTYEDPFTSKYTGPLOYTIWKSFLQDIHPVPAALTLD 301
DB 270 LKDIITLLHSLQGMKVLATRELISRLNKGKYGPIQYVWVREMQDTLCFGLSPLTLD 329
QY 302 GTAHQRLILDDCTIVAYGNLHPQLDPSKRFDEVSVLGSEAFSGSVHYWVVAEKT 361
DB 330 KTAHNLVLSKQTSVWHGDI-KKIMPDDEPFDSSVAVLGSRGFTSKWTEVEVAKT 388
QY 362 QWVIGLAHEAASRKSGSIQISRGFYCIYVMDGNQYSACTEPWTLNVRDKLDKGVFLD 421
DB 389 KWTGVVRESIIRKSCPLTPEQFWLLRLRNQTLKALDLPFSLSLTNNLDKVGIVLD 448
QY 422 YDQGLLIFYNADMSWLYTFREKFPKGLCSYSPGQSHANGKXVQPLRI 470
DB 449 YEGGQLSFYNAKTMTHIYTSNTFMELKLYPYFCPLNDGR-ENKEPLHI 496

RESULT 5
US-09-925-301-943
Sequence 943, Application US/09925301
Patent No. US20020052308A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA106
CURRENT APPLICATION NUMBER: US/09/925,301
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05882
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1694
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 943
LENGTH: 580
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (52)

Db 9 NLQESSCPICLEYLKDPTVINGHNFRCSCLSVSW--KDLDDTFPCVPCRCFPYKSF 66
Qy 64 PSLKLANIVERYSFPLDAIINARAARP-----COAHDK-VKLCFLTDRLALCFPCD 115
Db 67 RNPQLRNTE-----IAQLOIRSKRKROKENAMCKHNOFLTFCVKDLLELICQCS 120
Qy 116 EPALHECHQVIGIDDAFDELQRELKQALQDQSEREHEALQLLKRLAETKSTKSLR 175
Db 121 PSTKHQHYICPIKKAASVHREILBGLLEPLRNRIERVEKVIILOGSKSVLKKVEYKR 180
Qy 176 TTIGAFERLHRLREROKAMLELEADTARTLTDIEQVORYQOQLRKVOGAQIILQER 235
Db 181 BEINSEFEQIRFLQNEQEMILRQODEMNILA-----KLANENVELSDYVSTLKLH 233
Qy 236 LAETDRHTFLAGVASLSERLKGKHE-TNLTVED---FPTSKY--TGPLQVTWKSILFQD 289
Db 234 LREVEGKSVQSNLELITQ-AKSMHXYQNLKCPFLFSRLTKYGFSLPPQYS---GLDRI 289
Qy 290 IHVPFAALTLDPGTAHQRLIISDDCTIVAYGNLHPQLODQSPKRPDVEVSVLGSEAFSSG 349
Db 290 IKPFQVDVLDLNTAHPQLLVSEDRKAVRYERKKNICVD-PRPFYVCPAVILGSORFSSG 348
Qy 350 VHYWEVVAEKTQWVIGLAHAASRKGSIQIOPS--RGFYCIVMHDGNOYSACTEPWTEL 407
Db 349 RHYWEVEGNKPKWILGVCQDCLLR--NWQDQPSVLGGFWAIGRYMKSGYVASGPKTTLQ 406
Qy 408 NVRDKLDKVGVPFLDYDQGLLIIFYNADDMWLYTFPREKPGKLCYSFSPGQSHANGKNVQ 467
Db 407 LPVVKPSKIGIFLDYELGDLSPYNNDRSILYTFNDCPTAOWPYF-----YTGTDSEP 460
Qy 468 LRINTV 473
Db 461 LKICSV 466

RESULT 9
US-10-104-047-3664
; Sequence 3664, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20030236392A1el full length cdna
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104, 047
; PRIOR FILING DATE: 2002-03-25
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 3664
; LENGTH: 468
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-3664

Query March 20.0%; Score 500; DB 15; Length 468;
Best Local Similarity 27.5%; Pred. No. 2.5e-33;
Matches 133; Conservative 91; Mismatches 212; Indels 48; Gaps 11;
Qy 4 SLKDELLCSICLSIYQDPVSLGCEHYFCRCITEHWVROEAQACDPCRCRTFAEPALA 63
Db 9 NLREELTCICLDYFSSPVTTEGCHSFCLVCLLRW--BEHNTPLSCPECMTLEGPHFQ 66
Qy 64 PSLKLANIVERYSFPLDAIINARRAARPCQAHDKVKLFCFLTDRLALCFPCDEPA---- 118
Db 67 SNERLQRL-----ASIAQLRSQVLOSEDEQSGVGRMPTAKALSDDEQGSAPV 116
Qy 119 --LHECHQVIGIDDAFDELQRELKQALQDQSEREHEALQLLKRLAETKSTKSLRT 176
Db 117 AQSHGANRVHLSSEAEHREKLEQLINLIRVRKEAQAVALTHEKERVKLCQSEETKTCQ 176
Qy 177 TIGEAERLHRLREROKAMLELEADTARTLTDIEQVORYQOQLRKVOGAQIILQERL 236

Db 177 VVSEYMKMHQFLKEBEQQLQLEOEKENMRKLNNEIKLTQQIRS-----LSKMI 229
Qy 237 AETDRHTFLAGVASLSERLKGKIHET-----NLTYEDFPTSKYTGPLQVTWKSILFQ 288
Db 230 AQIESSQSQSAFESL-EVVRGALERSEPLLLQCPEATTTLSLCRITG-----MKE 279
Qy 289 DIHPVPAALTLDPGTAHQRLIISDDCTIVAYGNLHPQLODQSPKRPDVEVSVLGSEAFSS 348
Db 280 MLRKFSITEITLDPATANAYILVSEDLKSVKYGGSR-QQLPDPNPERFDQSATVLGTQIFTS 338
Qy 349 GVHYWEVVAEKTQWVIGLAHAASRKGSIQIOPSRGFYCIVMHDGNOYSA-CTEPWTEL 407
Db 339 GRHYWEVEGNKPKWILGVCQDCLLR--NWQDQPSVLGGFWAIGRYMKSGYVASGPKTTLQ 406
Qy 408 NVRDKLDKVGVPFLDYDQGLLIIFYNADDMWLYTF-REKPGKLCYSFSPGQSHANGKNVQ 466
Db 399 HVREPVCKGVFLDYESGHTAFYNGTDESILYSPQASFOEALRPIFSPCLPN-EGTNTD 457
Qy 467 PLRI 470
Db 458 PLTI 461

RESULT 10
US-10-093-463-74
; Sequence 74, Application US/10093463
; Publication No. US20030208039A1
; GENERAL INFORMATION:
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Shenoy, Suresh
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Gusev, Vladimir
; APPLICANT: Pochart, Pascal
; APPLICANT: Zhong, Mei
; APPLICANT: Rastelli, Luca
; APPLICANT: Mezes, Peter
; APPLICANT: Smithson, Glenda
; APPLICANT: Guo, Xiaojia
; APPLICANT: Gerlach, Valerie
; APPLICANT: Casman, Stacie
; APPLICANT: Boldos, Ferenc
; APPLICANT: Li, Li
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Tchernev, Velizar
; APPLICANT: Gangolli, Esha
; APPLICANT: Vernet, Corine
; APPLICANT: Pena, Carol
; APPLICANT: Burgess, Catherine
; APPLICANT: Liu, Xiaohong
; APPLICANT: Spytek, Kimberly
; APPLICANT: Gorman, Linda
; APPLICANT: Spaderna, Steven
; APPLICANT: Voss, Edward
; APPLICANT: Malyankar, Uriel
; APPLICANT: Anderson, David
; APPLICANT: Patturajan, Meera
; APPLICANT: Miller, Charles
; APPLICANT: Taupier, Raymond J. Jr.
; TITLE OF INVENTION: No. US20030208039A1el Antibodies that Bind to Antigenic Polypept
; FILE REFERENCE: 21402-290A (Cura 590AT)
; CURRENT APPLICATION NUMBER: US/10/093, 463
; CURRENT FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: 60/283, 675
; PRIOR FILING DATE: 2001-04-14
; PRIOR APPLICATION NUMBER: 60/338, 092
; PRIOR FILING DATE: 2001-12-03
; PRIOR APPLICATION NUMBER: 60/274, 281
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 60/274, 101
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 60/325, 681
; PRIOR FILING DATE: 2001-09-27

Db 344 SGRRYFEVDVGGTGWLDGVCNMQVQRTGKQEQSGFQWTLRLCKKKGYVALTSPPTSL 403
Qy 408 NVRDKLDKGVFLDYDQGLLIYNADDMWLYTF-REKFPKGLCSYF 453
Db 404 HLHEQPLLGVFLDYEAGVVSFYNGTNGCHIFFPKASFSDTLRPF 450

RESULT 12

US-10-042-211A-97
; Sequence 97, Application US/10042211A
; Publication No. US20030170719A1
; GENERAL INFORMATION:
; APPLICANT: MATSUDA, Akio et al.
; TITLE OF INVENTION: NFkB Activating Gene
; FILE REFERENCE: 1254-0192P
; CURRENT APPLICATION NUMBER: US/10/042,211A
; CURRENT FILING DATE: 2002-01-11
; PRIOR APPLICATION NUMBER: JP 2000-402288
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: JP 2001-088912
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: JP 2001-254018
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/258,315
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: US 60/278,640
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 60/314,385
; PRIOR FILING DATE: 2001-08-24
; NUMBER OF SEQ ID NOS: 182
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 97
; LENGTH: 465
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-042-211A-97

Query Match 19.6%; Score 492; DB 14; Length 465;
Best Local Similarity 29.3%; Pred. No. 1.2e-32;
Matches 137; Conservative 80; Mismatches 206; Indels 44; Gaps 11;
Qy 5 LKDELLCSICLSIYQDPVSLGCEHYFCRCRITHEHWVQEAQAGD---CPECRRTAEP 60
Db 10 MMEATCSICLSLMTNPVSINCGHSYCHLCITDPFKNPSQKQLQETCCQCRAPFMD 69
Qy 61 ALAPSLKLANIVERYSPPDLNARRAARPCQAH-DKVKLFCLTDRLALCFPCDEPAL 119
Db 70 SLRPNKQLGLSIE-----ALKETDQEMSCHEGEQFHLFCDEGQLICWRCERAPQ 120
Qy 120 HEQHOVTGIDDAFDELQRELQDQALQDSEREHTEALQLKQLAETKSTKSLRTTIG 179
Db 121 HKGHTALTALVEDVCOGYKEKQLQAVTKLQLEDRCTEQKLTAMRITKWKVKVQIR 180
Qy 180 EAFERLHRLRERQKAMLEELADTARTLT---DIEQKVQYSQQLR-----KVQEG 228
Db 181 SDFKNLQCFLHEBEKSYLWLEKEEQTLRLRDYEAGLGLKSNELKSHILEBEKCGS 240
Qy 229 AQILQERLAETDRHTFLAGVASLSERLKGKIHETNLTYEDPPTSKYTGPLOYTIWKSIFQ 288
Db 241 AQKLQNVNDT-----LSRSWAVKLETSEAVSLELHTMCNVSKLYFDVKMLRS 289
Qy 289 DIHPVPAALTDPGTAHQRLIISDDCTIYVAGNLHPQLQD-SPKRFDFVSVLGSFAFS 347
Db 290 --HQV--SVTLDPDTAHHELILSEDRRQVTRG--YTQENQDTSRRFTAFPCVLGCEGT 343
Qy 348 SGVHYVEVVVAETQWVIGLAHEAARSGSIQIQRSGFYCIUMDGNGQYACTEPWTRL 407
Db 344 SGRRYFEVDVGGTGWLDGVCNMQVQRTGKQEQSGFQWTLRLCKKKGYVALTSPPTSL 403
Qy 408 NVRDKLDKGVFLDYDQGLLIYNADDMWLYTF-REKFPKGLCSYF 453
Db 404 HLHEQPLLGVFLDYEAGVVSFYNGTNGCHIFFPKASFSDTLRPF 450

RESULT 13
US-10-024-298A-99
; Sequence 99, Application US/10024298A
; Publication No. US20030143540A1
; GENERAL INFORMATION:
; APPLICANT: ASAHU KASEI KABUSHIKI KAISHA
; APPLICANT: AKIO MATSUDA
; APPLICANT: Goichi HONDA
; APPLICANT: Shuji MURAMATSU
; APPLICANT: Yukiko NAGANO
; TITLE OF INVENTION: NF-K B Activating Gene
; FILE REFERENCE: 1254-0191P
; CURRENT APPLICATION NUMBER: US/10/024,298A
; CURRENT FILING DATE: 2003-04-08
; PRIOR APPLICATION NUMBER: 60/314,385
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/278,641
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 60/258,315
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: JP254018/2001
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: JP0088912/2001
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: JP402288/2000
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 182
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 99
; LENGTH: 465
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-024-298A-99

Query Match 19.5%; Score 489; DB 14; Length 465;
Best Local Similarity 29.3%; Pred. No. 2.1e-32;
Matches 137; Conservative 79; Mismatches 207; Indels 44; Gaps 11;
Qy 5 LKDELLCSICLSIYQDPVSLGCEHYFCRCRITHEHWVQEAQAGD---CPECRRTAEP 60
Db 10 MMEATCSICLSLMTNPVSINCGHSYCHLCITDPFKNPSQKQLQETCCQCRAPFMD 69
Qy 61 ALAPSLKLANIVERYSPPDLNARRAARPCQAH-DKVKLFCLTDRLALCFPCDEPAL 119
Db 70 SLRPNKQLGLSIE-----ALKETDQEMSCHEGEQFHLFCDEGQLICWRCERAPQ 120
Qy 120 HEQHOVTGIDDAFDELQRELQDQALQDSEREHTEALQLKQLAETKSTKSLRTTIG 179
Db 121 HKGHTALTALVEDVCOGYKEKQLQAVTKLQLEDRCTEQKLTAMRITKWKVKVQIR 180
Qy 180 EAFERLHRLRERQKAMLEELADTARTLT---DIEQKVQYSQQLR-----KVQEG 228
Db 181 SDFKNLQCFLHEBEKSYLWLEKEEQTLRLRDYEAGLGLKSNELKSHILEBEKCGS 240
Qy 229 AQILQERLAETDRHTFLAGVASLSERLKGKIHETNLTYEDPPTSKYTGPLOYTIWKSIFQ 288
Db 241 AQKLQNVNDT-----LSRSWAVKLETSEAVSLELHTMCNVSKLYFDVKMLRS 289
Qy 289 DIHPVPAALTDPGTAHQRLIISDDCTIYVAGNLHPQLQD-SPKRFDFVSVLGSFAFS 347
Db 290 --HQV--SVTLDPDTAHHELILSEDRRQVTRG--YTQENQDTSRRFTAFPCVLGCEGT 343
Qy 348 SGVHYVEVVVAETQWVIGLAHEAARSGSIQIQRSGFYCIUMDGNGQYACTEPWTRL 407
Db 344 SGRRYFEVDVGGTGWLDGVCNMQVQRTGKQEQSGFQWTLRLCKKKGYVALTSPPTSL 403
Qy 408 NVRDKLDKGVFLDYDQGLLIYNADDMWLYTF-REKFPKGLCSYF 453
Db 404 HLHEQPLLGVFLDYEAGVVSFYNGTNGCHIFFPKASFSDTLRPF 450


```
; LENGTH: 4691
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-093-463-72

Query Match      19.0%; Score 475.5; DB 15; Length 4691;
Best Local Similarity 27.3%; Pred. No. 7.8e-30;
Matches 137; Conservative 84; Mismatches 214; Indels 67; Gaps 15;

QY      1 MACSLKDELICLSIYQDPSVSLGCEHYFCRRRCITEHWV-----RQEAQAGARDCEPEC 53
Db      3487 LARKLQEAATCSICLDYFTDEVMTTCGHNFACIQLSWEKARGKGRKRGKSGFPCFEC 3546
QY      54 RRTFAEPALAPSLKLANIVERYSSFFLDAILNARRAAPQQA-HDKVKLFLCLTDRLALLCF 112
Db      3547 REMSPQRNLLFNRLITKVAEMAQOHP-----GLQKQDLCOEHHEPLKLFCKQDQSPICV 3600
QY      113 FCDPEALHEQHVGTGIDDAFDELQRELKQDLQALQDSERHEALQLLKKQ-LAETKSST 171
Db      3601 VCRSREHRLHRVLPAAEAVQGVYKLEEDMEYDRE-QITRTGNLQAREEQSLAEWGKV 3659
QY      172 KSLRTTIGEAERLHRLRERQKAMLEBELEADTARTLTDIEQKV-----QRYSQOL----- 222
Db      3660 KERRERIVLEFEKXNLYLVEEQRLQALETEEBETASRLRESVACLDRQGHSLLELLLQ 3719
QY      223 ---RKVQEGAILQERLAETDRHTFLAGVASLSERLKGKIHTNLTIEDPTSKYTGPIQ 279
Db      3720 LEERSTQGLQMLQDMKEPLSRAALLVVL-----IHGMNLV--EPFVVSPLSPLY 3767
QY      280 YTIWKS-----LFQDIHPVPAALTDPGTAHQRLILSDDCCT-----IVAYGNLHPQ 325
Db      3768 LIATKAHTQLGPGTPTFPBCEFTPLPISPPRPSTEDVW--PDATSAVPYLLLYESRQR 3825
QY      326 PLQDSPK-----RFDVSVSLGSEAFSGGVHYWEV--VVAEKTQWVIGLAHEAASRK 375
Db      3826 YLGSSPEGSFCSKDRFVAYPCAVGQTAFSSGRHYWEVGMNITGDALWALGVCRDNYSRK 3885
QY      376 GSIQIQPSRGFYCIVMHDGNOYSACTEPWTRLNVRDKLDKGVFLDYDQGLLIIFYNADDM 435
Db      3886 DRVPKCPENGFWVVLQSGTKYLSFTPSALTPTVNLMEPPSHMGIFLDFEAGEVSFYSYSDG 3945
QY      436 SWLYTFRE-KPFGKLCSYFSPG 456
Db      3946 SHLHTYSQATFPGLQPFCLG 3967
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Search completed: April 13, 2004, 10:49:57
Job time : 48 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 13, 2004, 10:39:16 ; Search time 23 seconds
(without alignments)
1066.189 Million cell updates/sec

Title: US-09-927-091-1

Perfect score: 2504

Sequence: 1 MACSLKOBLLCSICLSIYQD.....GSHANGKNVQLPINTVRI 475

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:*

1: /cgn2_6/protdata/2/iaa/5A-COMB.pep:*

2: /cgn2_6/protdata/2/iaa/5B-COMB.pep:*

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5: /cgn2_6/protdata/2/iaa/PCTUS-COMB.pep:*

6: /cgn2_6/protdata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	546.5	21.8	487	2	US-08-724-394A-7
2	486	19.4	485	2	US-08-724-394A-8
3	427.5	17.1	781	4	US-09-486-147-3
4	421	16.8	179	4	US-09-486-147-38
5	396	15.8	178	4	US-09-486-147-37
6	364.5	14.6	413	4	US-09-663-600A-198
7	348	13.9	183	4	US-09-486-147-36
8	339	13.5	584	4	US-09-910-174B-16
9	339	13.5	584	4	US-09-620-461-16
10	335.5	13.4	184	4	US-09-486-147-35
11	329	13.1	513	4	US-09-910-174B-18
12	329	13.1	513	4	US-08-724-394A-5
13	321	12.6	610	2	US-08-724-394A-5
14	316.5	12.6	527	4	US-09-910-174B-10
15	316.5	12.6	527	4	US-09-620-461-10
16	315.5	12.6	529	4	US-09-910-174B-13
17	315.5	12.6	529	4	US-09-620-461-13
18	312.5	12.5	181	4	US-09-486-147-5
19	311.5	12.4	174	4	US-09-486-147-41
20	307.5	12.3	523	4	US-09-910-174B-11
21	307.5	12.3	523	4	US-09-620-461-11
22	305.5	12.2	540	2	US-08-724-394A-4
23	303	12.1	185	4	US-09-486-147-39
24	299	11.9	581	2	US-08-724-394A-2
25	295.5	11.8	581	2	US-08-724-394A-3
26	293	11.7	526	4	US-09-910-174B-9
27	293	11.7	526	4	US-09-620-461-9

28	281.5	11.2	731	4	US-09-910-174B-15
29	281.5	11.2	731	4	US-09-620-461-15
30	275.5	11.0	589	2	US-08-724-394A-1
31	264	10.5	218	4	US-09-327-983-6
32	248.5	9.9	253	4	US-09-484-970B-171
33	229	9.1	223	4	US-09-327-983-5
34	192	7.7	164	4	US-09-486-147-43
35	181	7.2	158	4	US-09-663-600A-104
36	168.5	6.7	100	4	US-09-230-196-5
37	167.5	6.7	197	4	US-09-486-147-40
38	167	6.7	174	4	US-09-486-147-42
39	166.5	6.6	588	1	US-07-903-466-3
40	166.5	6.6	588	5	PCT-US93-05794-3
41	165	6.6	144	4	US-09-486-147-44
42	150	6.0	183	4	US-09-621-976-4209
43	144.5	5.8	209	4	US-09-461-325-468
44	144.5	5.8	209	4	US-10-012-542-468
45	144.5	5.8	435	4	US-09-561-989-10

ALIGNMENTS

RESULT 1
US-08-724-394A-7
; Sequence 7, Application US/08724394A
; Patent No. 5872237
; GENERAL INFORMATION:
; APPLICANT: Feder, John N.
; APPLICANT: Kronmal, Gregory S.
; APPLICANT: Lauer, Peter M.
; APPLICANT: Ruddy, David A.
; APPLICANT: Thomas, Winston
; APPLICANT: Tsuchihashi, Zenta
; APPLICANT: Wolff, Roger K.
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
; TITLE OF INVENTION: Sequences and Antibodies Thereto
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/724,394A
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 017957-000100
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-576-0300
; TELEFAX: 415-576-0300
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 487 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Region
; LOCATION: 1..487
; OTHER INFORMATION: /note= "52 kD Ro"
US-08-724-394A-7

Sequence 15, Appl
Sequence 15, Appl
Sequence 1, Appl
Sequence 6, Appl
Sequence 171, Appl
Sequence 5, Appl
Sequence 43, Appl
Sequence 104, Appl
Sequence 5, Appl
Sequence 40, Appl
Sequence 42, Appl
Sequence 3, Appl
Sequence 3, Appl
Sequence 44, Appl
Sequence 4209, Ap
Sequence 468, App
Sequence 468, App
Sequence 10, Appl

QY 297 LTLDPGTAHQRLILSDCTIVAYGNLHPQLQDSKPRFDVEVSLGSEAFSSGVHYWVW 356
Db 3 VTLDPGTAHQRLILSDCTIVAYGNLHPQLQDSKPRFDVEVSLGSEAFSSGVHYWVW 61
QY 357 VAEKQWVIGLAHEAASRKGSIQIOPSRGFCYICVIMHDNQYSACTEPWTRLNVRDKDKV 416
Db 62 VGDKAKWTIGVCEDSVCRKGGVTSAPQNGFMAVSLWYKEYWALTSPMTALPLRLTQLQR 121
QY 417 GVFLDYDQGLLIFYNADMSWLYTF-REKFPKGLCSYSPGSHANGKNVQPLRI 470
Db 122 GIFLDYDAGEVSYNVNTERCHTFTFSHATFCGPVRPYFS--LSYSGGSAAPLII 174

RESULT 8
US-09-910-1748-16
; Sequence 16, Application US/099101748
; Patent No. 6630575
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7
; TITLE OF INVENTION: Family and Uses Thereof
; FILE REFERENCE: 35800/236924
; CURRENT APPLICATION NUMBER: US/09/910,174B
; PRIOR FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/620,461
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 584
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-910-1748-16

Query Match 13.5%; Score 339; DB 4; Length 584;
Best Local Similarity 37.1%; Pred. No. 2.8e-23;
Matches 83; Conservative 41; Mismatches 82; Indels 18; Gaps 6;
QY 226 QEGAQLQERLAETDRHTFLAGVA-----SLSERLKGKIHETNLTLYEDPFTSKYTGPLQ 279
Db 273 QQKEKALSRTEREREMKEMGYAETEQLSREKLEQELKWKIKY-----MARGEKSLA 328
QY 280 YTIWK-SLFQDIHPVPAALTLDPGTAHQRLILSDCTIVAYGNLHPQLQDSKPRFDVEV 338
Db 329 YHEWKMALEF-----PADVILDPDTANAILVSEDQORSVQRAE-EPRDLDPNPFEPWRY 382
QY 339 SVLGSEAFSSGVHYWVVAEKTQWVIGLAHEAASR-KGSIQIOPSRGFCYICVIMHDNQY 397
Db 383 CVLGCENFTSGRHYWEVEVGDREKWHIGVCSKNVERKKGWVMTPENGYWTWGLTDGNY 442
QY 398 SACTEPWTRLNVRDKDKVGVFLDYDQGLLIFYNADMSWLYTF 441
Db 443 RALTEPRTNLKLPPEPRKVGIFLDYETGETSIFSYNATDGSHTYTF 486

RESULT 9
US-09-620-461-16
; Sequence 16, Application US/09620461
; Patent No. 6635750
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. 6635750el Members of the B7
; TITLE OF INVENTION: Family and Uses Thereof
; FILE REFERENCE: 5800-149
; CURRENT APPLICATION NUMBER: US/09/620,461
; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 16
; LENGTH: 584
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-620-461-16

Query Match 13.5%; Score 339; DB 4; Length 584;
Best Local Similarity 37.1%; Pred. No. 2.8e-23;
Matches 83; Conservative 41; Mismatches 82; Indels 18; Gaps 6;
QY 226 QEGAQLQERLAETDRHTFLAGVA-----SLSERLKGKIHETNLTLYEDPFTSKYTGPLQ 279
Db 273 QQKEKALSRTEREREMKEMGYAETEQLSREKLEQELKWKIKY-----MARGEKSLA 328
QY 280 YTIWK-SLFQDIHPVPAALTLDPGTAHQRLILSDCTIVAYGNLHPQLQDSKPRFDVEV 338
Db 329 YHEWKMALEF-----PADVILDPDTANAILVSEDQORSVQRAE-EPRDLDPNPFEPWRY 382
QY 339 SVLGSEAFSSGVHYWVVAEKTQWVIGLAHEAASR-KGSIQIOPSRGFCYICVIMHDNQY 397
Db 383 CVLGCENFTSGRHYWEVEVGDREKWHIGVCSKNVERKKGWVMTPENGYWTWGLTDGNY 442
QY 398 SACTEPWTRLNVRDKDKVGVFLDYDQGLLIFYNADMSWLYTF 441
Db 443 RALTEPRTNLKLPPEPRKVGIFLDYETGETSIFSYNATDGSHTYTF 486

RESULT 10
US-09-486-147-35
; Sequence 35, Application US/09486147
; Patent No. 6627745
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; APPLICANT: represented by the Secretary, Department of Health and Human
; APPLICANT: Services
; APPLICANT: Daniel L. Kastner
; APPLICANT: Ivona Aksentijevich
; APPLICANT: Michael Centola
; APPLICANT: Zuoming Deng
; APPLICANT: Raman Sood
; APPLICANT: Francis S. Collins
; APPLICANT: Trevor Blake
; APPLICANT: P. Paul Liu
; APPLICANT: Deborah Gumucio
; APPLICANT: Robert I. Richards
; APPLICANT: Darrell O. Rieke
; APPLICANT: No. 6627745man A. Doggett
; APPLICANT: Moraechal Pras
; TITLE OF INVENTION: IDENTIFICATION OF THE GENE CAUSING
; TITLE OF INVENTION: FAMILIAL MEDITERRANEAN FEVER
; FILE REFERENCE: 14014.0314U1
; CURRENT APPLICATION NUMBER: US/09/486,147
; CURRENT FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: PCT/US98/17255
; PRIOR FILING DATE: 1998-08-20
; PRIOR APPLICATION NUMBER: 60/056,217
; PRIOR FILING DATE: 1997-08-21
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 35
; LENGTH: 184
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence./ No. 6627745e =
; OTHER INFORMATION: Synthetic construct
US-09-486-147-35

Query Match 13.4%; Score 335.5; DB 4; Length 184;
Best Local Similarity 42.2%; Pred. No. 9.5e-24;
Matches 73; Conservative 27; Mismatches 70; Indels 3; Gaps 3;
QY 299 LDPGTAHQRLILSDCTIVAYGNLHPQLQDSKPRFDVEVSLGSEAFSSGVHYWVVA 358

Db 5 LDAETAYPNLIFSDDLKSVRLGNKW-BRLPDGQRFDSCLIVLGSFSLGRRYVEVVG 63
QY 359 EKTOWVIGLAHEAASRKGSIQIOPSRGFCYIVMHDGNOYSACTEPWTRLNVRDKLDKVG 418
Db 64 DXTAWILGACKTSIRKGNVTLSPENGYVWVMKENEYQASVPTRLILKEPPKRGVI 123
QY 419 FLDYDQGLLIPYNADMSWLYTFRE-KFPKGLCSYFSPGSHANGKNOVPLRI 470
Db 124 FVDYRVSISYVMVTARSHIYTFASCSFSGPLQPIFSPG-TRDGGKNTAPLTI 175

RESULT 11

US-09-910-174B-18
; Sequence 18, Application US/09910174B
; Patent No. 6630575
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7
; TITLE OF INVENTION: Family and Uses Thereof
; FILE REFERENCE: 38800/236924
; CURRENT APPLICATION NUMBER: US/09/910,174B
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/620,461
; PRIOR FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 513
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-910-174B-18

Query Match 13.1%; Score 329; DB 4; Length 513;
Best Local Similarity 34.1%; Pred. No. 2e-22;
Matches 89; Conservative 40; Mismatches 86; Indels 46; Gaps 7;
QY 202 ADTARTLTDI-----EQKVQRYSQQLRKVQEGAIQLQELAEHTDRHTFLAGVA 249
Db 250 AALARTLPVLLLLGGAGYFLWQQEKKIQPRKKRE--QELRENAWSTMKEQOSTRVK 307
QY 250 SLSE-----RLKGKIHETNLTYEDFPTSKYTGPLQYTIW-KSLFQDIHPVPAALTLD 300
Db 308 LLELRWRSIQYASRGERHSA-----YNEWKALFK-----PADVILD 345
QY 301 PGTARHQLILSDCTIVAYGNLHPQLQDSPKRFDEVSVLGSEAFSSGVHYWEVVVAEK 360
Db 346 PKTANPILLVSEDQRSVQRAK-EPQDLDPNPFNFHWHYCVLGCEFSISGRHYWEVEVGR 404
QY 361 TQWVIGLAHEAASRKGSIQIOPSRGFCYIVMHDGNOYSACTEPWTRLNVRDKLDKVG 420
Db 405 KEWHIGVCSKNVQKGVKWTPENGFWTGLTDGKNKYRTLTPRTNLKLPKPKKVG 464
QY 421 DYDOGLLIFYNADMSWLYTF 441
Db 465 DYETGD:SFYNVADGSHIHTF 485

RESULT 12

US-09-620-461-18
; Sequence 18, Application US/09620461
; Patent No. 6635750
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. 6635750el Members of the B7
; TITLE OF INVENTION: Family and Uses Thereof
; FILE REFERENCE: 5800-149
; CURRENT APPLICATION NUMBER: US/09/620,461
; CURRENT FILING DATE: 2000-07-20

; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 18
; LENGTH: 513
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-620-461-18

Query Match 13.1%; Score 329; DB 4; Length 513;
Best Local Similarity 34.1%; Pred. No. 2e-22;
Matches 89; Conservative 40; Mismatches 86; Indels 46; Gaps 7;

QY 202 ADTARTLTDI-----EQKVQRYSQQLRKVQEGAIQLQELAEHTDRHTFLAGVA 249
Db 250 AALARTLPVLLLLGGAGYFLWQQEKKIQPRKKRE--QELRENAWSTMKEQOSTRVK 307
QY 250 SLSE-----RLKGKIHETNLTYEDFPTSKYTGPLQYTIW-KSLFQDIHPVPAALTLD 300
Db 308 LLELRWRSIQYASRGERHSA-----YNEWKALFK-----PADVILD 345
QY 301 PGTARHQLILSDCTIVAYGNLHPQLQDSPKRFDEVSVLGSEAFSSGVHYWEVVVAEK 360
Db 346 PKTANPILLVSEDQRSVQRAK-EPQDLDPNPFNFHWHYCVLGCEFSISGRHYWEVEVGR 404
QY 361 TQWVIGLAHEAASRKGSIQIOPSRGFCYIVMHDGNOYSACTEPWTRLNVRDKLDKVG 420
Db 405 KEWHIGVCSKNVQKGVKWTPENGFWTGLTDGKNKYRTLTPRTNLKLPKPKKVG 464
QY 421 DYDOGLLIFYNADMSWLYTF 441
Db 465 DYETGD:SFYNVADGSHIHTF 485

RESULT 13

US-08-724-394A-5
; Sequence 5, Application US/08724394A
; Patent No. 5872237
; GENERAL INFORMATION:
; APPLICANT: Feder, John N.
; APPLICANT: Kronmal, Gregory S.
; APPLICANT: Lauer, Peter M.
; APPLICANT: Ruddy, David A.
; APPLICANT: Thomas, Winston
; APPLICANT: Tsuchihashi, Zenta
; APPLICANT: Wolff, Roger K.
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
; TITLE OF INVENTION: Sequences and Antibodies thereto
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM: disk
; MEDIUM TYPE: Floppy
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/724,394A
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 017957-000100
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-576-0200
; TELEFAX: 415-576-0300
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:

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/ LENGTH: 610 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: not relevant
/ TOPOLOGY: not relevant
/ MOLECULE TYPE: peptide
/ FEATURE:
/ NAME/KEY: Region
/ LOCATION: 1..610
/ OTHER INFORMATION: /note="BTF3"
US-08-724-394A-5

Query Match 12.8%; Score 321; DB 2; Length 610;
Best Local Similarity 34.7%; Pred. No. 1.5e-21;
Matches 82; Conservative 45; Mismatches 87; Indels 22; Gaps 8;

QY 218 YSQQLKQVQGAIIQER-----LAETDRH-TFLAGVASLSERLKGKIHETNLTYYEDFP 270
DB 287 WQQKEKIALSRETEREREMKMGVAATEQEISXXXXXXLREKQBELKWKRIQY---- 342
QY 271 TSKYTGPLYTTWK-SLPQDIHPVPAALTLDPGTAHQRLILSDCTIVAYGNLHPQP--- 326
DB 343 MARGEKSLAYHEWKMALFK-----PADVILDPDTANAILVSEDQORSVQRAE-EPRDXXX 396
QY 327 LODSPKRPDVEVSLGSEAFSSGVHYWVVAEKTQWVIGLAHAASR-KGSIQIOPSRG 385
DB 397 LPDNERFEWRYCVLGCENFTSGRIHYWEVEVDKKEWHIGVCSKNVERKKGWVWTFENG 456
QY 386 FYCIYVHNDGNQVSACTEPWTRLNVRDKLDKGVGFVLDYDQGLLIFYNADDMSWLYTF 441
DB 457 YWTMGLTDGNKYRALTEPRTNLKLPEPRKVGIFLDYETGETSIFYNATDGSHTVTF 512

RESULT 14
US-09-910-174B-10
; Sequence 10, Application US/09910174B
; Patent No. 6630575
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7
; FILE REFERENCE: 35800/236924
; CURRENT APPLICATION NUMBER: US/910,174B
; PRIOR FILING DATE: 2001-07-20
; PRIOR FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-910-174B-10

Query Match 12.6%; Score 316.5; DB 4; Length 527;
Best Local Similarity 33.3%; Pred. No. 3.2e-21;
Matches 89; Conservative 38; Mismatches 93; Indels 47; Gaps 11;

QY 222 LRKQVQGAIIQERLAETDRHTFLAGVASLSERLKGKIHETNLTYYEDFPPTSKYTGPLYT 281
DB 269 INKLQREKILSGE-KEFERETREIALKELEKERVQKEELQVKEK-----LQEE 317
QY 282 I-WKSLFQDIHPVPAALTLDPGTAHQRLILSD-----CTIVAYGNLHPQLQDSPKRF 334
DB 318 LWRRTF--LHAVD--VVLDPDTAHPDLFLSEDRSVRCPPRHLSGSPV---DNPERF 369
QY 335 DVEVSLGSEAFSSGVHYWVVAEKTQWVIGLAHAASRKGSIQIOPSRGFCYIWMHDG 394
DB 370 DSQPCVLGRESFASGKHYYEVENVIEWTGVCRDSVERKGVLLIPQNGFWTLEMHKG 429
QY 395 NOYSACTEPWTRLNVRDKLDKGVGFVLDYDQGLLIFYNADDMSWLYT-----F 441
DB 430 -QYRAVSSPDRILPLKESLCRVGVFLDYEAGDVSYFNMRDRSHIYTCPSAFSVVPRPF 488
QY 442 R---EKFPKLCVYFSPGQSHANGKV 465
DB 489 RLGCEDSPIFIC-----PALTGANGVTV 511

Search completed: April 13, 2004, 10:45:10
Job time : 24 secs
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/ LENGTH: 610 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: not relevant
/ TOPOLOGY: not relevant
/ MOLECULE TYPE: peptide
/ FEATURE:
/ NAME/KEY: Region
/ LOCATION: 1..610
/ OTHER INFORMATION: /note="BTF3"
US-08-724-394A-5

Query Match 12.8%; Score 321; DB 2; Length 610;
Best Local Similarity 34.7%; Pred. No. 1.5e-21;
Matches 82; Conservative 45; Mismatches 87; Indels 22; Gaps 8;

QY 218 YSQQLKQVQGAIIQER-----LAETDRH-TFLAGVASLSERLKGKIHETNLTYYEDFP 270
DB 287 WQQKEKIALSRETEREREMKMGVAATEQEISXXXXXXLREKQBELKWKRIQY---- 342
QY 271 TSKYTGPLYTTWK-SLPQDIHPVPAALTLDPGTAHQRLILSDCTIVAYGNLHPQP--- 326
DB 343 MARGEKSLAYHEWKMALFK-----PADVILDPDTANAILVSEDQORSVQRAE-EPRDXXX 396
QY 327 LODSPKRPDVEVSLGSEAFSSGVHYWVVAEKTQWVIGLAHAASR-KGSIQIOPSRG 385
DB 397 LPDNERFEWRYCVLGCENFTSGRIHYWEVEVDKKEWHIGVCSKNVERKKGWVWTFENG 456
QY 386 FYCIYVHNDGNQVSACTEPWTRLNVRDKLDKGVGFVLDYDQGLLIFYNADDMSWLYTF 441
DB 457 YWTMGLTDGNKYRALTEPRTNLKLPEPRKVGIFLDYETGETSIFYNATDGSHTVTF 512

RESULT 14
US-09-910-174B-10
; Sequence 10, Application US/09910174B
; Patent No. 6630575
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7
; FILE REFERENCE: 35800/236924
; CURRENT APPLICATION NUMBER: US/910,174B
; PRIOR FILING DATE: 2001-07-20
; PRIOR FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-910-174B-10

Query Match 12.6%; Score 316.5; DB 4; Length 527;
Best Local Similarity 33.3%; Pred. No. 3.2e-21;
Matches 89; Conservative 38; Mismatches 93; Indels 47; Gaps 11;

QY 222 LRKQVQGAIIQERLAETDRHTFLAGVASLSERLKGKIHETNLTYYEDFPPTSKYTGPLYT 281
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QY 282 I-WKSLFQDIHPVPAALTLDPGTAHQRLILSD-----CTIVAYGNLHPQLQDSPKRF 334
DB 318 LWRRTF--LHAVD--VVLDPDTAHPDLFLSEDRSVRCPPRHLSGSPV---DNPERF 369
QY 335 DVEVSLGSEAFSSGVHYWVVAEKTQWVIGLAHAASRKGSIQIOPSRGFCYIWMHDG 394
DB 370 DSQPCVLGRESFASGKHYYEVENVIEWTGVCRDSVERKGVLLIPQNGFWTLEMHKG 429
QY 395 NOYSACTEPWTRLNVRDKLDKGVGFVLDYDQGLLIFYNADDMSWLYT-----F 441
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GenCore version 5.1.1.6
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OM nucleic - nucleic search, using sw model

Run on:      April 13, 2004, 11:31:13 ; Search time 1269 Seconds
              (without alignments)
              11310.553 Million cell updates/sec

Title:       US-09-927-091-3
Perfect score: 3826
Sequence:    1 agcctgcgtgacgcgaagc.....aaaaaaaaaaaaaaaaaa 3826

Scoring table:  IDENTITY NUC
                  Gapop 10.0 , Gapext 1.0

Searched:     2475585 seqs, 1875730760 residues

Total number of hits satisfying chosen parameters: 4951170

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                  Maximum Match 100%
                  Listing first 45 summaries

Published Application No. *

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	Query Match	100.0%;	Score 3826;	DB 9;	Length 3826;
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	Matches 3826;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
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QY	61	CAAGGGTTGGCGCGGATCCGGCAGCTGACGGGGCGGCACCCCTCTCTTCTCTGCC	120		
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QY	121	GGTCAAGCAATGTACGCGCTCGGCGCTGGCTCGCCCTCCCCAGGATCCCCA	180		

Result No.	Score	Query		Length	DB	ID	Description
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1	3826	100.0	3826	9	US-09-927-091-3		Sequence 3, Appli
2	2322.2	60.7	23433	9	US-09-927-091-7		Sequence 7, Appli
3	2308.6	60.3	30676	9	US-09-927-091-8		Sequence 8, Appli
4	2252.8	58.9	30625	9	US-09-927-091-5		Sequence 5, Appli
5	995.8	26.0	45845	9	US-09-927-091-6		Sequence 6, Appli
6	838.6	21.9	43744	9	US-09-927-091-4		Sequence 4, Appli
C	609.6	15.9	610	15	US-10-027-632-100265		Sequence 100265,
	562	14.7	573	9	US-08-864-761-7231		Sequence 7231, Ap
C	431	11.3	431	9	US-09-864-761-2362		Sequence 2362, A
	160.2	4.2	2045	15	US-10-094-743-1459		Sequence 1459, Ap
10	136.4	3.6	1394	9	US-09-764-868-418		Sequence 418, App
12	132.4	3.5	3038	15	US-10-120-988-277		Sequence 277, App
13	122.8	3.2	1904	15	US-10-104-047-103		Sequence 103, App
14	122	3.2	1739	9	US-09-731-872-225		Sequence 225, App
15	122	3.2	1739	10	US-09-876-997-225		Sequence 225, App

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Db 13799 CTAAGCAAACTCGAGGACAAAGCCTCCCTGGATGATCGAGGTCCCAGTAGCTCTGAACA 13858
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RESULT 3

US-09-927-091-8
; Sequence 8, Application US/0927091
; Patent No., US20020119541A1
; GENERAL INFORMATION:
; APPLICANT: KILLARY, ANN
; APPLICANT: LOTT, STEVE
; APPLICANT: CHANDLER, DAMN
; TITLE OF INVENTION: THE TUMOR SUPPRESSOR CAR-1
; FILE REFERENCE: UTC:651US
; CURRENT APPLICATION NUMBER: US/09/927,091
; PRIORITY FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/227,560
; PRIORITY FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 60/225,033
; PRIORITY FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 30676
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: modified base
; LOCATION: 16671..(30676)
; OTHER INFORMATION: n = A or C or G or T/U
US-09-927-091-8

Query Match 60.3%; Score 2308.6; DB 9; Length 30676;
Best Local Similarity 98.7%; Pred. No. 0;
Matches 2348; Conservative 0; Mismatches 29; Indels 2; Gaps 2;
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Db 24244 GTTATGATCAATTTGTTTAAATTTAAAGTTACAGATGTCA 24283

RESULT 5

US-09-927-091-6
; Sequence 6, Application US/09927091
; Patent No. US20020119541A1
; GENERAL INFORMATION:
; APPLICANT: KILLARY, ANN
; APPLICANT: LOTT, STEVE
; APPLICANT: CHANDLER, DAWN
; TITLE OF INVENTION: THE TUMOR SUPPRESSOR CAR-1
; FILE REFERENCE: UTSC:651US
; CURRENT APPLICATION NUMBER: US/09/927,091
; CURRENT FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/227,560
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 60/225,033
; PRIOR FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 6
; LENGTH: 45845
; TYPE: DNA
; ORGANISM: Human
US-09-927-091-6

Query Match 26.0%; Score 995.8; DB 9; Length 45845;
Best Local Similarity 99.7%; Pred. No. 1.5e-261;
Matches 1008; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

Qy 1 AGGCTCGCTGCACCGAAGCGGTGGCTGCTAAGCTCGCGGGGTAAGGGGTGCGGCTGGG 60
Db 24164 AGGCTCGCTGCACCGAAGCGGTGGCTGCTAAGCTCGCGGGGTAAGGGGTGCGGCTGGG 24223
Qy 61 CAGGGTTTGGGGCGGGATTCGGGAGCTGAGCGGGCGGACCCCTCTCTCTGCTGCC 120
Db 24224 CAGGGTTTGGGGCGGGATTCGGGAGCTGAGCGGGCGGACCCCTCTCTCTGCTGCC 24283
Qy 121 GGTACAGACCAATGTACGGCTCGGCTCGGCTGCCCTCCCGCAGGATTCGCCATGCCCA 180
Db 24284 GGTACAGACCAATGTACGGCTCGGCTCGGCTGCCCTCCCGCAGGATTCGCCATGCCCA 24343
Qy 181 GCTTCTCGCCCTCCCGGACCGCCCGCCAGCCCGGATTCGACCCCTTAAGGGGTCCAC 240
Db 24344 GCTTCTCGCCCTCCCGGACCGCCCGCCAGCCCGGATTCGACCCCTTAAGGGGTCCAC 24403
Qy 241 CCGGCTCCGGGATCCCTTCTCCAGCTCTCTATCCCTTAGGACTGCCCCCGCCCTAGAA 300
Db 24404 CCGGCTCCGGGATCCCTTCTCCAGCTCTCTATCCCTTAGGACTGCCCCCGCCCTAGAA 24463
Qy 301 CTTCCCGCTCAGGATCTCGGCTCCTCAGCGCTCAGACCTCTTCCAGCGCCCATGCC 360

Db 24464 CTTCCCGCTCAGGATCTCCGTCCTCAGCCGCTCAGAGCTCTCCAGCGGCCCATCGCC 24523
QY 361 TTGAGCTGCCACTACCTCTAGACTGCTCCCGGGCTGGCTCCCAACGAGTCTCAGCC 420
Db 24524 TTGAGCTGCCACTACCTCTAGACTGCTCCCGGGCTGGCTCCCAACGAGTCTCAGCC 24583
QY 421 GGGACACCTTCTCGCTGCTTACCTCTCTCGGACAGACCCCTCTCTCTCTCGGTAGC 480
Db 24584 GGGACACCTTCTCGCTGCTTACCTCTCTCGGACAGACCCCTCTCTCTCTCGGTAGC 24643
QY 481 TCTACTACCTGCTGCTGCGGCTCTGCTCCCGCGCCAGCCCTCGGTGCTGCTCCGACA 540
Db 24644 TCTACTACCTGCTGCTGCGGCTCTGCTCCCGCGCCAGCCCTCGGTGCTGCTCCGACA 24703
QY 541 GGGCGGCTCTCTCAGCGCGCCCTCTGCTCCCGCGCCAGCCCTCTGCTGCTGCTGCTG 600
Db 24704 GGGCGGCTCTCTCAGCGCGCCCTCTGCTCCCGCGCCAGCCCTCTGCTGCTGCTGCTG 24762
QY 601 GCGATGGCTGAGCTCAAGGACGAGTGTGTGCTCTCTGCTGCTGCTGCTGCTGCTGCTG 660
Db 24763 GCGATGGCTGAGCTCAAGGACGAGTGTGTGCTCTCTGCTGCTGCTGCTGCTGCTGCTG 24822
QY 661 GAGCGGCTGAGCTGGGCTGGAGCACTACTTCTGCGCGCTGCTGCTGCTGCTGCTGCTGCTG 720
Db 24823 GAGCGGCTGAGCTGGGCTGGAGCACTACTTCTGCGCGCTGCTGCTGCTGCTGCTGCTGCTG 24882
QY 721 GTGCGGAGGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 780
Db 24883 GTGCGGAGGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 24942
QY 781 CCGCGGCTGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 840
Db 24943 CCGCGGCTGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 25002
QY 841 CTGAGCGGCTCTCAACGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 900
Db 25003 CTGAGCGGCTCTCAACGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 25062
QY 901 AGCTCTCTGCTCAGGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 960
Db 25063 AGCTCTCTGCTCAGGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 25122
QY 961 CACGAGCAGATCAGGTCACGCGATCAGGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1011
Db 25123 CACGAGCAGATCAGGTCACGCGATCAGGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 25173

RESULT 6

US-09-927-091-4
; Sequence 4, Application US/09927091
; Patent No. US20020119541A1
; GENERAL INFORMATION:
; APPLICANT: KILLARY, ANN
; APPLICANT: LOTT, STEVE
; APPLICANT: CHANDLER, DAWN
; TITLE OF INVENTION: THE TUMOR SUPPRESSOR CAR-1
; FILE REFERENCE: UTSC:651US
; CURRENT APPLICATION NUMBER: US/09/927,091
; CURRENT FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/227,560
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 60/225,033
; PRIOR FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 49744
; TYPE: DNA
; ORGANISM: Human
US-09-927-091-4

Query Match 21.9%; Score 838.6; DB 9; Length 49744;
Best Local Similarity 93.5%; Pred. No. 2,2e-218;

Matches 951; Conservative 0; Mismatches 59; Indels 7; Gaps 7;
QY 1 AGGCTGGCTGGACCGAGCGGTGGCTGCTAGACTCGCGGGGTAAAGGGTGGCTCGCTGGG 60
Db 34306 AGGCTGGCTGGACCGAGACCGGTGGCTGCTAGACTCGCGGGGTAAAGGGTGGCTCGCTGGG 34365
QY 61 CAGGGTTTGGGGCGGGGATCCGAGCTGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 120
Db 34366 CCA-GGTTTGGGGCGGGATCCGCGAGCTGAAACGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 34424
QY 121 GGTACACAGCAATGTATCGGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180
Db 34425 GGTACACACCAATGTATCGGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 34484
QY 181 GCTTCTGCGCTTCCCGGACCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 240
Db 34485 GGTCTTGGCTTCCCGGACCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 34544
QY 241 CCGGCTCCGGGATCCCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 300
Db 34545 CCGGCTCCGGGATTCCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 34604
QY 301 CTTCCCGG-GTCAGGATCTCGGTC-CCTCAGCGGCTCACA-GCCTGCTCCAGCGGCGGCGGCGGCGG 357
Db 34605 CTTCCCGGAGTAGGATCTCGGTCCTCCTCAGCGGCTCATACGCTTCTTCCAGCGGCGGCGGCGG 34664
QY 358 GCC-TTGAGCTGCGGCTACCTACC-TCTAGACTGCGGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGG 415
Db 34665 GCCTTTGAGCTGCGGCTACCTTTTATGCGGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 34724
QY 416 CAGCGG 475
Db 34725 CAGCGG 34784
QY 476 GTAGCTCTTACCCCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 535
Db 34785 GTAGGCTCTTACCCCTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 34844
QY 536 CAGCGG 594
Db 34845 CAGCGG 34904
QY 595 CTTGGGCGGATGCGGTGCGAGCTCAAGGACGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 654
Db 34905 CTTGGGCGGATGCGGTGCGAGCTTCAAGGACGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 34964
QY 655 TACGAGACCGCGGTGAGCGCTGGGCTGCGAGCACTACTTCTGCGGCGGCTGCTGCTGCTGCTGCTGCTG 714
Db 34965 TACGAGACCGCGGTGAGCGCTGGGCTGCGAGCACTACTTCTGCGGCGGCTGCTGCTGCTGCTGCTGCTG 35024
QY 715 CACTGGGTGCGGAGGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 774
Db 35025 CACTGGGTGCGGAGGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 35084
QY 775 GCGGAGCGGCGGCTGGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 834
Db 35085 GCGGAGCGGCGGCTGGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 35144
QY 835 TTCCCGCTGAGCGG 894
Db 35145 TTCCCGCTGAGCGG 35204
QY 895 AAGGTCAAGCTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 954
Db 35205 AAGGTCAAGCTTTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 35264
QY 955 GCACTGCAAGGAGGAGGATCAGGTCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1011
Db 35265 GCACTGCAAGGAGGAGGATCAGGTCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 35321

RESULT 7
US-10-027-632-100265/c

; Sequence 100265, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: RastSeq for Windows Version 4.0
; SEQ ID NO 100265
; LENGTH: 610
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-100265

Query Match 15.9%; Score 609.6; DB 15; Length 610;
Best Local Similarity 99.8%; Pred. No. 1.5e-156;
Matches 609; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2345 CCAGTGTCTCCCTCCAGCCAGCCCTGACCTCAGGAAGTGTACAGAGATGCGCCAGTAGTT 2404
Db 610 CCAGTGTCTCCCTCCAGCCAGCCCTGACCTCAGGAAGTGTACAGAGATGCGCCAGTAGTT 551

QY 2405 GCGAGCCCGAAGACACACAGACACCTCTTATGTCCTTACCTTACCTTACCTTACCTTAC 2464
Db 550 GCGAGCCCGAAGACACACAGACACCTCTTATGTCCTTACCTTACCTTACCTTACCTTAC 491

QY 2465 CAAGTAGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2524
Db 490 CAAGTAGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 431

QY 2525 GGTCTAGGTTGCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2584
Db 430 GGTCTAGGTTGCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 371

QY 2585 TTCTTACTTCTCCCACTGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2644
Db 370 TTCTTACTTCTCCCACTGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 311

QY 2645 TGGTAGTTGAGTCCACATTATAGTCATGTCACCACTTCTCTGCTGCTGCTGCTGCTGCTG 2704
Db 310 TGGTAGTTGAGTCCACATTATAGTCATGTCACCACTTCTCTGCTGCTGCTGCTGCTGCTG 251

QY 2705 GACAGGTTGAGGTTATACCAAGTGTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2764
Db 250 GACAGGTTGAGGTTATACCAAGTGTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 191

QY 2765 GACAGGCTTCCCTGATGATGAGGTCCTGAGGTCCTGAGGTCCTGAGGTCCTGAGGTCCTG 2824
Db 190 GACAGGCTTCCCTGATGATGAGGTCCTGAGGTCCTGAGGTCCTGAGGTCCTGAGGTCCTG 131

QY 2825 TCTTACGAGGCTTCTGAGGTCCTGAGGTCCTGAGGTCCTGAGGTCCTGAGGTCCTGAGGTC 2884
Db 130 TCTTACGAGGCTTCTGAGGTCCTGAGGTCCTGAGGTCCTGAGGTCCTGAGGTCCTGAGGTC 71

QY 2885 AATTAGGACCAAGACCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2944

Db 70 AATTAGGACCAAGACCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 11
QY 2945 ATCTCAGTTA 2954
Db 10 ATCTCAGTTA 1

RESULT 8
US-09-864-761-7231/c
; Sequence 7231, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Hanzel, David R.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: aeomica-x-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 7231
; LENGTH: 573
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC02262.3
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.8
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 4.2
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.9
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 4.5
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 4.6
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 4.2
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 4.1
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.2

[REDACTED]

Qy	2003	CGTTCGGATCAACACCGTCCGGATCTAGTCCAGGCAGAGGACACCAACTCTCTGGG	2062
Db	71	CGTTCGGATCAACACCGTCCGGATCTAGTCCAGGCAGAGGACACCAACTCTCTGGG	12
Qy	2063	ACCACTGCCAC	2073
Db	11	ACCACTGCCAC	1

RESULT 10

```

US-10-094-749-1459
; Sequence 1459, Application US/10094749
; Publication No. US20030219741A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOTYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
; FILE REFERENCE: 084335/0160
; CURRENT APPLICATION NUMBER: US/10/094, 749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1459
; LENGTH: 2045
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-094-749-1459

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Query Match	4.2%;	Score 160.2;	DB 15;	Length 2045;
Best Local Similarity	48.9%;	Pred. No. 6.8e-33;		
Matches 663;	Conservative 0;	Mismatches 648;	Indels 44;	Gaps 7;

Qy	616	CTCAGGACGAGCTGCTGTGTCTCCATCTGCTGAGCATCTACCAGACCCGCTGAGCCTG	675
Db	229	CTGAGGACCCGCTTCAGTGTCCCATCTGCTCGAGGCTTTCAGGAGCCCTGATGCTG	288
Qy	676	GGCTGCGAGCACTACTTCTGCGCCGCTGTCATCAGGAGCACCTGGGTGGGGCAGAGACGG	735
Db	289	CAGTGTGGCCACTTTACTGCAAGGGTGTGCTGGTTCCGTCTCTGCCACCTGATGCC	348
Qy	736	CAGGGCGCCCGAGCTGCCCGAGTGC CGCGCAGCTTCGCGAGCCCGCTGCGCGCC	795
Db	349	GAG-----CTGCGCTGCCCGTGTGCGCGCAGCGGTGGATGGCAGCAGCTCCCTGCC	402
Qy	796	AGCCTCAAGCTGGCCAACTCGTGGAGGGCTACAGTCTCTTCCGCTGGAGCGCAATCTC	855
Db	403	AACGCTCTCCCTGGCCAGGGTGATCGAAGCCCTGAGG--CTCCCTGGGGACCCGAGCCCA	460
Qy	856	AACGGCGCGCGCGCGCAGCCTGCGAGGCGCAGCAAGGTCAAGTCTTTCCTGCGCTC	915
Db	461	AGGTCTGGGTGCACACCGGAACCCG-----TCAGCCTTTTCTGCGAG	504
Qy	916	ACGGACCGCGCGCTTCTCTGCTTCTTCTTGGGAGAGCCTGCATCGCAGCAGCATCAG	975

RESULT 11

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US-09-764-868-418
; Sequence 418, Application US/09764868
; Patent No. US2002016871A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PTZ32
; CURRENT APPLICATION NUMBER: US/09/764,868
; PRIOR FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 418
; LENGTH: 1394
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-868-418

Query Match      3.6%; Score 136.4; DB 9; Length 1394;
Best Local Similarity 54.9%; Pred. No. 1.9e-26;
Matches 269; Conservative 0; Mismatches 221; Indels 0; Gaps 0;

QY 1482 GCACGCGCCCTAACCCCTGACCGGGGACAGCCGACAGCCGAGGCTGATCTGTGCGACGA 1541
Db      |||||
QY 45   GCCAGCGGATGTGACCCCTGACCCCTGAGACAGCTCATCTTAACCTAGTCTGTGACAGGA 104
Db      |||||
QY 1542 CTGCACCATTTGTGCTTACGGCAACTTGCACCCACAGCCACTGCAGGACTTGCACCAAGCG 1601
Db      |||||
QY 105   TCGTAAGAGCGTCAAGTTCGTGAGACAAAGCTCCGGGATCTCCCTGACACACCAAGCG 164
Db      |||||
QY 1602 CTTGATGTGGAGGTGTCGTGCTGCTGAGGTTCTGAAGCCCTTCAGTAGTGGGCTCCACTACTG 1661
Db      |||||
QY 165   TTTTACCTTCTACCTTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 224
Db      |||||
QY 1662 GGAGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1721
Db      |||||
QY 225   GGAGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 284
Db      |||||
QY 1722 CCGCAAGGCGAGCATCCAGATCCAGCCGACCCGCGGCTTCTACTGATCGTGAACCGA 1781
Db      |||||
QY 285   CCGAAAGGCGAGTTGACTCCACTCCCTGAGACTGGCTGCTGCTGCTGCTGCTGCTGCTGCTG 344
Db      |||||
QY 1782 TGGCAACAGTACAGCCCTGACGGAGCCCTGGAGCGGCTTAACTGCTGGGACCAAGCT 1841
Db      |||||
QY 345   TGGGGGCAAAATATGACGCCACCAACCACTTTTACCCCTTTCACATCAAGTGAAC 404
Db      |||||
QY 1842 TGACAAAGTGGGTGCTTCTTCTGGAATATGACCAAGGCTTGTCTCATCTTCTACAACTGA 1901
Db      |||||
QY 405   CAACGGGTAGGCATATTCCTAGACTATGAGCGCGACACTGTCTTCTTACAACTGAC 464
Db      |||||
QY 1902 TGACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1961
Db      |||||
QY 465   AGACCGCTCTCATATCTACACCTTCACTGATATCTTTACTGAGAACTTTGGCCCTCTT 524
Db      |||||
QY 1962 CAGCCCTGGC 1971
Db      |||||
QY 525   CTACCCAGGC 534
Db      |||||

RESULT 12
US-10-120-988-277
; Sequence 277, Application US/10120988
; Publication No. US20030219745A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Goodrich, Ryle
; APPLICANT: Liu, Chenghua
; APPLICANT: Ren, Feiyun
; APPLICANT: Wang, Dunrui
; APPLICANT: Dmanac, Radoje T.
; TITLE OF INVENTION: NO. US20030219745A1 Nucleic Acids and
; FILE REFERENCE: Polypeptides
; FILE REFERENCE: 802CON

US-10-120-988-277
; Sequence 277, Application US/10120,988
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: NO. US20030236392A1el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; PRIOR FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 103
; LENGTH: 1904
; TYPE: DNA
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QY 1899 TGATGACATGTCCTGGCTCTACACCTTCGCGAGAGAGTTCCCTGGCAAGCTCTGTCTTTA 1958
DB 1547 TAAACCATGACTCAGCTTACACCTTTCAGTAAACACTTTTATCCCTTA 1606
QY 1959 CTTTCAGCCCTGGCGAGAGCCAGCAATGGCAAGACG 1996
DB 1607 CTTTCGCCCCCTGCTTAAATGATGTAGAGAGATAAAG 1644

RESULT 15

US-09-876-997-225
; Sequence 225, Application US/09876997
; Publication No. US20030152921A1
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, Jean Baptiste
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Jobert, Severin
; TITLE OF INVENTION: FULL-LENGTH HUMAN CDNAS ENCODING POTENTIALLY SECRETED PROTEINS
; FILE REFERENCE: 78.USA.CIP
; CURRENT APPLICATION NUMBER: US/09/876.997
; CURRENT FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/731,872
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/187,470
; PRIOR FILING DATE: 2000-03-06
; PRIOR APPLICATION NUMBER: US 60/169,629
; PRIOR FILING DATE: 1999-12-08
; NUMBER OF SEQ ID NOS: 482
; SOFTWARE: Patent.pm
; SEQ ID NO 225
; LENGTH: 1739
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 171..1670
US-09-876-997-225

Query Match 3.2%; Score 122; DB 10; Length 1739;

Best Local Similarity 51.9%; Pred.No.1.9e-22;
Matches 300; Conservative 0; Mismatches 275; Indels 3; Gaps 1;
QY 1419 CAAGTACACAGGCCCTCGAGTACACCATCTGGAAGTCCCTGTCAGGACATCCACCC 1478
DB 1070 CCAGTACAAAGGTCCTATCCAGTACATGATGAGGGAATGCAGGACACTCTCTGCC 1129
QY 1479 AGTCCAGCCGCTTACCTTGACCCGGGCACAGCCAGCCGCTGATCTGTGGA 1538
DB 1130 AGGCTGTCTCCACTACTCTGGACCCCTAAACACAGCTCACCCAAATCTGGTCTCTCAA 1189
QY 1539 CGACTGCACCATTTGTGGCTTACGGCAACTTGCACCCACAGCCACTGCAGGACTCGCCAA 1598
DB 1190 AAGCCAAACAGCGCTCTGGCATGGTGACATTAAGA--AGATAATGCTGATGATCTGA 1246
QY 1599 GCGCTTCGATGGAGGTGCGGTGCTGGTTCTGAAGCCTTCAGTAGTGGGTCCACTA 1658
DB 1247 GAGGTTTGACTCAAGTGTGCTGTACTGGCTCAAGAGGCTTCACTCTGGAAGTGGTA 1306
QY 1659 CTGGGAGGTGGTGGCGGAGAGACCCAGTGGGTGATCGGGCTGGCACACGAAAGCCGC 1718
DB 1307 CTGGGAGTAGAAGTAGCAAGAAGACAAATGACAGTGGAGTTGTCAAGAGATCCAT 1366
QY 1719 AAGCCGAAGGCGAGCATCCAGATCCAGCCAGCCGGCTTCTACTGATCGTATGCA 1778
DB 1367 CAITCGGAAGGGCAGCTGTCTCTAACTCTCTGAGCAAGGATCTTGGCTTTAAGACTAG 1426
QY 1779 CGATGGCAACAGTACAGCGCTGCAGGAGCCCTGACCGGCTTAAAGTCCGGGACAA 1838
DB 1427 GAACCAACTGATCTAAGGCTCTGGATTGCTTTTTCAGTCTGACACTGACTAACAA 1486
QY 1839 GCTTGACAAGTGGGTCTCTCTGGACTATGACCAAGGCTTCTCTCTTCTACATGC 1898

DB 1487 CTTGCAACAAGTGGGCATATACCTGGATTATGAAGAGAGACAGTTGCTCTTCTACATGC 1546
QY 1899 TGATGACATGTCCTGGCTCTACACCTTCGCGAGAGAGTTCCCTGGCAAGCTCTGTCTTTA 1958
DB 1547 TAAACCATGACTCAGCTTACACCTTTCAGTAAACACTTTTATCCCTTA 1606
QY 1959 CTTTCAGCCCTGGCGAGAGCCAGCAATGGCAAGACG 1996
DB 1607 CTTTCGCCCCCTGCTTAAATGATGTAGAGAGATAAAG 1644

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Job time : 1274 secs